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THE

CHEMICAL MANUFACTURERS' DIRECTORY

OF

ENGLAND,

BEING A LIST OF THE

PRINCIPAL MANUFACTURERS

OF CHEMICALS USED IN

COMMERCE, MEDICINE,
AGRICULTURE, AND THE ARTS.

FOURTEENTH EDITION.

EXTENDED AND IMPROVED.

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1882.

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[ESTABLISHED 1798.]

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Caustic Pans of approved metal.
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Concentrating Pans of cast and Wrought Iron.
Clarifiers.
Drainers.
Decomposing Pans of approved metal.
Dissolving Pans for Soda.
Gas Producers for Heating Pans, &c.
Hydraulic and Steam Hoists.
Indigo Mills.
Mills and Engines for Grinding.
Mortar and Pyrites Mills.
Nitrate of Soda Plant.
Nitre Pots.
Oxydising Steam Towers for Caustic.
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for Laboratories.

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PREFACE.

THE Fourteenth Edition of the "Chemical Manufacturers' Directory" is submitted to its numerous Subscribers and Advertisers.

Again, to the fullest extent that the means at our command have permitted, the work has undergone revision and correction. A further careful search has shown that but extremely few of the manufacturing firms of the class and calibre that this work is intended to contain had previously been omitted, and these have now been inserted. A usual number from deaths and retirements, and a more than usual number from failures, during the past year have been struck out on this occasion. And some changes will be found to have taken place with regard to the articles produced, some few having discontinued sorts they formerly produced, and others having taken to making sorts new to them.

And it will be found that the work is more full and complete than any former edition, and that all the leading and important firms in the trade are fully and correctly represented; and we have to repeat our thanks to the largely increased number of those who now so obligingly favour us with the requisite information and assistance. Some few imperfections, it may be, are still to be found in our work, but these we trust will be excused, when we say that they arise from the very few instances in which those concerned —not as yet realising the advantages that it would be, not only to our work, but to their own interests and the trade at large—have not furnished the needed particulars.

We would, however, have it borne in mind that we do not profess—as it would be impossible, even if desirable—to include all the multitude of compounders of disinfectants, minor pharmaceutical preparations, and patent manures, &c., &c., who now dub themselves Chemical Manufacturers.

For the reason that the majority of the Scotch houses are entirely indifferent to any representation beyond their own market and localities, we have been compelled, from the insufficient particulars obtainable, to omit them from the present edition, and this, we hope to find, will set us free to devote a greater amount of attention to the development of our English list.

Intimation of any change, omission, or error that may come under notice is earnestly solicited, and which, or any advertisements or announcements for the next edition, may be sent to the Printers', addressed—

THE EDITOR OF
THE CHEMICAL MANUFACTURERS' DIRECTORY,
Gresham Press Buildings,
LUDGATE HILL, LONDON, E.C.

London, 1882.

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LIST OF

CHEMICALS

CLASSIFIED,

SHOWING AT A VIEW

THE MAKERS OF EACH KIND.

Acid, Acetic.—*LONDON*—Barnes, Beaufoy, Condy, Cory, Cox, Dunn, Ellis, Scott, *COUNTRY*—Barrow J., Bower W., Coupe, Crompton, Fielding, Hadfield T., Hirst, Kenyon T., King, Lewis G, Mansergh, Melincrythan Co., Morris W., Ogden, Renshaw, Rooke, Rumney, Singleton J.

Acid, Benzoic.—*LONDON*—Howard.

Acid, Carbolic.—*LONDON*—Bethell & Co., Blott, Dickinson, Dussek, Griffith, *COUNTRY*—Bowdler, Bowes, Burt B. & H., Butler W., Calvert, Corbett & Co., Culpan, Demuth, Harvey Wm., Horrocks, Kempson, Longshaw, Lowe, Major, Meadows, Metcalf T., Metcalf W., Plumbe, Robinson Bros., Stainsby, Tunstall, Turner.

Acid, Citric.—*LONDON*—Howard, Lawes Pontifex. *COUNTRY*—Sturge.

Acid, Fluoric.—*COUNTRY*—Dobb, Harris, Newham, Sheffield Co, Wilkinson.

Acid, Hydrochloric, Muriatic.—*LONDON*—Allen, Bell, Dunn, Farmer, Paxton, Robins, Smith P., Squire, Scott, Wallace. *COUNTRY*—Adkins, Astle, Atlas Co., Baly, Basford, Birdsall, Bealey, Becker, Bottomley, Bridgewater Co., Cooke, Crowther B., Crowther G. J., Crowther Wm., Crowther H., Earp, Farmer, Harris, Hills Bros., Hunt Bros., Jackson Jas., Jackson T., Johnson T., Kaye, Langdale Co., Lunn, Muspratt Jas., Matheson, Mycock, Netham Co., Nicholson J., Ormerod, Reeve, Riley, Rotherham Co., Schofield, Shorthouse, Singleton, Smith & Mawdsley, Snape, Tennants, Vivian, Whitham, Wigg Bros.

Acid, Nitric.—*LONDON*—Allen, Barns, Bell, Cumberland, Ellis, Farmer, Robbins, Smith P., Squire, Wallace. *COUNTRY*—Astle, Barrow J., Basford Co., Becker, Bottomley, Bowden, Cooke, Crowther B., Crowther G. J., Crowther Wm., Earp, Farmer, Harris, Hills Bros., Jackson J., Jackson T., Johnson T., Kaye, Lunn, Metcalf T., Mycock, Nicholson J., Ormerod, Reeve, Riley, Sheffield Co., Shorthouse, Singleton, Tennants, Wilkinson.

Acid, Nitrous.—*LONDON*—Robins. *COUNTRY*—Cooke, Dobb, Hill Bros., Sheffield Co.

Acid, Oxalic.—*LONDON*—Allen. *COUNTRY*—Hadland, Jones W., Pritchard, Roberts Dale.

Acid, Picric. — *COUNTRY*—Bowdler, Casthelaz, Longshaw, Lowe, Storey.

Acid, Pyroligneous.—*COUNTRY*—Glover, Pontithel Co., Rooth, Smith, Vaughan, Walker T., Warburton, Windle.

Acid, Phosphoric.—*LONDON*—Allen, Dunn.

Acid, Sulphuric.—*LONDON*—Alum Co., Bell, Brandram, Cumberland, Ellis, Farmer, Finch, Gibbs, Hills, Houlder, Payton, Pontifex, Robbins, Smith P., Squire, Vanner, White, Wallace. *COUNTRY*—Adkins, Anderton, Asbury, Astle, Austin, Avon Co., Baly, Basford Co., Birdsall, Bealey, Becker, Bethell J. & Co., Bevan, Bowen, Bradburn, Bridgewater Co., Burnard, Burrell, Cannop Co., Chapman, Connah's Co., Cooke, Crabb, Crompton, Crowther G. J., Crowther Wm., Crowther H., Earp, Eaton, Farmer, Fisher E. & Co., Fison Jas., Fison Jos., Fletcher, Goole, M. & H. Co., Galen Co., Gibbs, Goole Co.,

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Graham, Hadfield G., Hall A. W., Harris, Hills Bros., Hills W. A., Hunt W., Jackson Jas., Jackson Thos., Johnson T., Judson, Langdale, Leather, Lewis G., Lindsey Co., Mathieson, McBryde, Melincrythan Co., Metcalf T., Morris Bros., Morris D., Morris Wm., Morris & Griffin, Murphy, Muspratt Jas., Mycock, Netham Co., Nicholson J., Norrington, Nixon, Ormerod, Packard, Pashley, Peyton, Pochin, Potter, Prentice, Richardson J. G., Riley, Rotherham Co., Schofield, Sharon Co., Shorthouse J., Sheffield Co., Slack, Smith J., Smith & Mawdsley, Snape, Spence Bros., Spooner, Tennants, Waide, Whitham, Wigg Bros., Wilkinson, Wilson G., Wilson J. T., Wilson R. H., Wood & Sons.

Acid, Sulphurous.—*LONDON*—Bell, Dunn, Ellis, Howard, Scott. *COUNTRY*—Collett, Newham, Scholefield.

Acid, Tartaric.—*LONDON*—Hills, Howard, Kemball, Lawes, Pontifex.

Alizarine.—*LONDON*—Brooke. *COUNTRY*—Hohenhausen, Holiday.

Albumen.—*COUNTRY*—Animal Products Co., Bibby, Smith J. & Co., Walsh.

Alkali.—*See also* "Soda Ash."—*COUNTRY*—Allen, Barton, Blair, Boreham Co., Brunner, Chance, Gaskell, Hardshaw Co., Heworth Co., Hutchinson, Imery, Jarrow Co., Kurtz A., Lewis J., Liverpool Co., Muspratt T., Muspratt J., Netham Co., Newcastle Co., Pattinson, Smith & Mawdsley, St. Bede's Co., Tennant, Tyne Co., Vivian, Washington Co.

Alum and Alumina Sulphate.—*LONDON*—Alum Co., Ellis & Co., Mockford. *COUNTRY*—Bethell, Cookson J. H., Goole Co., Mycock, Pochin, Rotherham Co., Spence P.

Aluminous Cake.—*LONDON*—Alum Co., Ellis. *COUNTRY*—Burt B. & H., Hall W., Johnson & D., Spence P., St. Helen's Co., Winser & Co.

Alumina, Chloride.—*COUNTRY*—Bailey.

Ammonia, Acetate.—*LONDON*—Condy.

Ammonia, Liquid.—*LONDON* — Smith P. *COUNTRY* — Barrow, Birdsall, Culpan, Cotton, Earp, Galen Co., Gardiner, Hall A. W., Harvey W., Holt, Kempson, Meadows, Metcalf T., Nicholson J., Reeve, Spence Bros., Watson, Wright, Wilkinson.

Ammonia, Muriate.—*LONDON*—Smith P. *COUNTRY*—Armitage, Netham Co., Stone.

Ammonia, Nitrate.—*LONDON*—Bell.—*COUNTRY*—Earp.

Ammonia, Sulphate.—*LONDON*—Allen, Alum Co., Austin, Cowan, Crow T. Dickinson, Gas P. Co., Griffith, Hills, Smith P., Torr. *COUNTRY*—Armitage, Astle, Austin, Baly, Barrow, Basford Co., Blott, Bond, Bowes, Bowskill, Burrell R. & W., Clapham, Clare, Cookson J. H., Cotton, Crowther G. J., Ellis Jno., Fison Jas., Galen Co., Gibbs J., Gunton, Hall A. W., Hadfield T., Harvey W., Jackson Jas., Jackson T. H., Johnson T., Kaye, Kelly, Kempson, Kurtz, Liverpool Co., Lockyer, Lunn, Major, Marriott, Mather, Meadows, Metcalf T., Metcalf W., Morris & Griffin, Morris Bros., Naylor, Netham Co., Norrington, Ormerod, Pashley, Plumbe, Prangley, Sharon Co., Sheffield Co., Slack, Spence P. & Co., Spence Bros., Steuart, Stone, Turner, Waide, Ynis Co.

Aniline.—*See* "Dyes, Aniline."

Annatto.—*LONDON*—Tibbs. *COUNTRY*—Metcalf.

Anthracene.—*LONDON*—Crow, Grindley, Griffith. *COUNTRY*—Bethell J. & Co., Bond, Butler, Burt B. & H., Culpan, Elsworth, Gibbs, Gunton, Hall A. W., Harvey W., Horrocks, Kempson, Lowe, Major, Metcalf, Plumbe, Robinson Bros., Turner, Wright.

Antichlorine.—*See also* "Soda Hyposulphite."

Aquafortis.—*See also* "Nitric Acid." *COUNTRY*—Birdsall, Crowther Hor., Ellis Jno., Nicholson, Peyton.

Arsenic.—*COUNTRY*—Cornwall Co., Lay, Stephens, Tremellen.

Aurine.—*COUNTRY*—Bowdler, Corbett & Co., Longshaw, Lowe, Storey.

Antimony Refiners.—*LONDON*—Hallett. *COUNTRY*—Cookson.

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Antimony, Sulphide.—*LONDON*—Gas P. Co.

Asphalte.—*See* "Pitch."

Barium, Chloride and Sulphide.—*LONDON*—Bell. *COUNTRY*—Earp, Garside, Jones Wm.

Barium, Nitrate.—*COUNTRY*—Earp.

Baryta, Chlorate.—*COUNTRY*—Gamble, Muspratt Jas.

Baryta, Nitrate.—*LONDON* — Bell, Cumberland, Squire. *COUNTRY*—Garside.

Benzine, Benzoline.—*LONDON*—Blott, Carless. *COUNTRY*—Bethell J. & Co., Elsworth.

Benzole and Toluol.—*LONDON*—Barnes, Carless, Demuth, Forster, Griffiths, Smith Bros. *COUNTRY*—Bethell & Co., Bond, Burt, Butler, Cotton, Culpan, Elsworth, Hall A. W., Harvey W., Holliday, Horrocks, Lowe, Major, Metcalf T., Metcalf W., Plumbe, Robinson Bros., Stainsby, Turner, Wade.

Binitrobenzole.—*COUNTRY*—Clayton Co.

Bleaching Liquor.—*See also* "Dyers' Solutions." *COUNTRY*—Bealey, Blythe, Farmer, Potter, Schofield, Tennants & Co., Watson.

Bleaching Powder.—*See* "Lime, Chloride of."

Blues (Aniline, Chinese, Prussian, Indigo, Liquid, &c.) for Staining, Dyeing, Paper-making, &c.—*LONDON*—Gas P. Co., Harding, Hodson. *COUNTRY*—Badams, Goadsby, Sissons, Threlfall, Wilkinson G. & Co., Witton, Scotch Hurlet Co.

Bone Manures.—*See* "Lime, Superphosphate, and Manures."

Borax.—*LONDON*—Howard. *COUNTRY*—Wood E.

Brimstone.—*See* "Sulphur."

Brimstone Refiners.—*LONDON*—Hills.

Calcium, Chloride.—*COUNTRY*—Forrester, Gaskell, Netham Co., Winser.

Carbon, Bisulphide.—*LONDON*—Forster, Gas P. Co. *COUNTRY*—Bailey, Fisher, Hartley.

Carbon, Tetrachloride.—*COUNTRY*—Fisher.

Carburine.—*LONDON*—Carless.

Chalk, Refined, Precipitated, Prepared, &c.—*COUNTRY*—Holloway, Sturge.

Charcoal, Animal—*LONDON*—Cowan, Torr. *COUNTRY*—Hadfield T., Lockyer.

Charcoal, Wood.—*COUNTRY* — Armitage W., Bevan, Brown, Cannop Co., Coupe, Chivers T., Fielding, Glover, Hatfield T., Hirst, Kilner, Lewis G., Lewis B., Melincrythan Co., Morgans, Morris D., Morris Wm., Nicholls J., Pontithell Co., Pontrilas Co., Rooth, Singleton J., Smith E., Vivian, West of England Co., Wrekin Co., Ynis Co.

Chemicals, Pharmaceutical, Various.—*LONDON*—Allen, Bush, Fletcher, Hopkin, Howard, Huskisson, May, Smith, Wright. *COUNTRY*—Bailey, Southall.

Chemicals, Photographic.—*LONDON*—Allen, Dunn, Johnson M., Johnson J. *COUNTRY*—Bailey W., Harris.

Chlorates.—*See* "Potash Chlorate."

Coprolites.—*COUNTRY*—Cambridge Co., Colchester, Prentice.

Copperas.—*LONDON*—Mockford. *COUNTRY*—Astle, Bailes, Birdsall, Crowther G. J., Crowther H., Gregson, Hunter & Co., Lawson J. C., Ogden, Reeve, Smith D., Spence Bros., Spence P.

Copper, Acetate.—*COUNTRY*—Warburton.

Copper, Chloride.—*COUNTRY*—Lunn.

Copper, Nitrate.—*COUNTRY*—Lunn.

Copper, Precipitate.—*COUNTRY*—Bradburn, Globe Co., Lay, Mathieson, Spence P., Wigg Bros.

Copper, Solutions.—*COUNTRY*—Bowden, Forrester.

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Copper, Sulphate.—*COUNTRY*—Farmer, Lunn, Macclesfield Sulph. Copper Co., Peyton.

Cotton Printers.—*See* "Dyers' Solutions."

Creosote.—*LONDON*—Battley, Bethell John & Co., Crow, Dussek, Gabriel, Griffiths, Grindley, Smith Bros., Winstone—*COUNTRY*—Bethell, Bond, Burt B & H., Butler W., Cotton, Culpan, Demuth, Elsworth, Gibbs, Gunton, Green, Hall A. W., Harvey, Kempson, Lockwood, Major, Mather, Meadows, Metcalf T., Plumbe, Robinson Bros., Stainsby, Turner, Wright.

Cudbear.—"*See* Orchil."

Dyes.—*LONDON*—Fry, Sutton. *COUNTRY*— Brookside Co., Casthelaz, Milnes, Watson.

Dyes and Colours, Aniline.—*LONDON*—Barnes, Brook, Holt, Reynolds. *COUNTRY*—Ashton, Bibby, Brooke, Bowden, Casthelaz, Clayton Co., Hohenhausen, Holliday, Levinstein, Longshaw, Perks, Thompson, Roberts Dale, Wade, Wilkinson B., Williams Bros.

Dyers' and Calico Printers' Solutions, Spirits, &c.—*See also* "Bleaching Liquor," "Iron Solutions," "Tin Solutions," &c — *LONDON* — Hatton, Robbins. *COUNTRY*—Becker & Co., Birdsall, Blacker, Blythe, Bottomley, Bowden, Crowther B., Crowther H., Dentith, Drake, Farmer J., Fielding, Higgin, Holt, Huggon, Jackson T. H., Johnson T., Kaye, Lunn, Metcalf T., Mucklow, Nicholson J., Pochin, Reeve, Schofield, Smith D., Tennants & Co., Thompson.

Epsom Salts.—*See* "Salts, Epsom."

Garancine.—*COUNTRY*—Milnes.

Glauber Salts.—*See* "Salts, Glauber."

Gold, Chloride.—*LONDON*—Johnson M., Johnson J.

Hydrochloric Acid.—*See* "Acid, Muriatic."

Indigo Blues.—*See* "Blues."

Indigo Extracts & Solutions.—*LONDON*—Sutton. *COUNTRY*—Adams, Blacker, Brookside Co., Haas, Hodges, Howarth J., Kaye, Marshall, Norris, Richardson J., Watson, Wood & B., Wilkinson B.

Iron, Acetate.—*COUNTRY*— Lunn, Warburton.

Iron, Chloride.—*LONDON*—Bell.

Iron, Muriate.—*LONDON*—Smith P. *COUNTRY*—Lunn, Watson.

Iron, Liquor.—*COUNTRY*—Armitage W., Astle, Barrow, Glover. Kilner, Pochin, Rooke, Rumney, Southern G, Southern T., Vaughan, Walker I., Watson, Windle.

Iron, Nitrate.—*LONDON*—Bell, Smith P. *COUNTRY*—Birdsall, Kempson, Lunn, Reeve, Watson.

Iron, Oxide.—*COUNTRY*—Marriott.

Iron, Pyrolignite.—*COUNTRY*—Hirst, Lunn.

Iron, Solutions.—*COUNTRY*—Birdsall, Bowden, Crowther G. J., Crowther Wm., Forrester, Ormerod.

Iron, Sulphate.—"*See* Copperas."

Lampblack.—*COUNTRY*—Butler W., Cannop Co., Hoyle.

Lavender, Distiller.—*COUNTRY*—Perks & Llewellyn.

Lead Acetate, White, Grey, Brown.—*COUNTRY*—Bevan, Cannop Co., Chivers T., Jones, Melincrythan Co., Morris W., Rooth, Vaughan, Walker J., Warburton.

Lead, Chloride. —*LONDON*—Bell.

Lead, Nitrate.—*LONDON*—Bell. *COUNTRY*—Earp.

Lead, Sulphate.—*COUNTRY*—Wilson, J. T.

Lead, Sugar of—*See* "Lead, Acetate of."

Lead, White.—Washington Co.

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Lime, Acetate.—*COUNTRY*—Bevan, Brown, Chivers T., Glover, Hadfield T., Harries, Jones, Kilner, Lewis B., Lewis G., Melincrythan Co., Morgans, Morris D., Nicholls J., Pontrilas Co., Pontithell Co., Rooke, Rooth, Singleton, Smith E., Trotter, Vaughan, Vivian, Walker J., Warburton, Wrekin Co.

Lime, Bisulphite.—*LONDON*—Alment, Boake, Dunn, Foster. *COUNTRY*—Bailey, Coleman, Collett, Kendall, Marriott, Reade, Scholefield.

Lime, Chloride of.—*COUNTRY*—Allen, Atlas Co., Bealey, Bridgewater Co., Burnett T., Carville Co., Clare, Gamble, Gaskell, Globe Co., Golding, Hall Bros., Hay-Gordon, Hemingway, Hunt W., Imeary, Kurtz A., Mathieson, McBryde, Muspratt Bros., Muspratt Jas., Netham Co., Newcastle Co., Pattinson, Pilkington, Richardson J. G., Runcorn Co., Smith & Mawdsley, St. Bede's Co., St. Helen's Co., Sullivan, Taylor, Tennant C., Tyne Co., West England Co., Widnes Alkali Co., Wigg.

Lime, Hyposulphite.—*See* "Antichlorine."

Lime, Phosphate.—*COUNTRY*—Croff, Fletcher, Liverpool Co., Yorkshire Co.

Lime, Sulphite.—*LONDON*—Alment, Boake. *COUNTRY*—Bailey Bros., Scholefield.

Lime, Superphosphate.—*LONDON*—Farmer. *COUNTRY*—Burrell T., Burrell R. & W., Cambridge Co., Chapman, Colchester, Crabb, Dixon, Ellis Jos., Fisher E. & Co., Fison Jas., Goole Co., Hodgson, Morris & Griffin, Morrison W., Pashley, Packard, Pearson, Prentice, Renner, Sharon Co., Spooner, Thorpe, Vickers Thos., Vivian.

Liquor, Dunging.—*See* "Dunging Liquor."

Liquor, Red.—*See* "Red Liquor."

Magnesia.—*COUNTRY*— Scholefield, Washington Co.

Magnesia, Citrate.—*LONDON*—Bishop, Bush, Dunn, Lauder, Squire. *COUNTRY*—Sturge.

Magnesium, Chloride.—*COUNTRY*—Winser.

Manganese, Oxide.—*COUNTRY*—Blackwell, Dobb.

Do. **Sulphate.**—*COUNTRY*—Rumney.

Manures.—*See also* "Lime Nitrophosphate, Superphosphate, &c., &c."—*LONDON*—Agricultural Co., Arnott Bros., Cook, Edgington, Farmer, Finch, Gibbs, Hadfield, Hale, Hall, Hills, Hunt, Lawes, Miller, Mockford, Nitrophosphate Co., Patent Sanitary Co., Purser, Salmon, Standen, Stevens, Universal Co. *COUNTRY*—Adkins, Ashworth Jos., Atkinson, Austin, Avon Co., Baly, Barrow, Bradburn, Bradbury, Burnard, Burrell R., Burrell, J. T., Cambridge Co., Cargreen Co., Cleveland Co., Chapman, Crabb, Colchester, Dantec, Ellis Jos., Farmers' Co., Fison Jos., Fison James, Goole Co., Griffin, Hadfield T., Hadfield Geo., Hays, Hills E., Hodgson, Hunt J., Jennings, Jordan, King, Langdale, Lindsey Co., Liverpool Co., Lockyer, Marriott, Meggitt, Morris Bros., Morris & Griffin, Morrison, Murray, Murrell, Noble, Norrington H., Packard, Pashley, Peak, Pearson, Pinkney, Prangley, Prentice, Proctor, Proctor H., Renner, Royston, Rusco, Sharon Co., Spooner, Staton, Threlfall, Thorpe, Toynbee, Tigars, Urban Co., Vickers, Webb & Son, Webb H., Weedon, West of England Co., Widnes Phos. Works, Wilson J. W., Wolverhampton Co.

Methyl, Hydrated Oxide of.—*COUNTRY*—Melincrythan Co.

Mordants.—*See also* "Dyers' Solutions," &c. &c.—*COUNTRY*—Blacker, Coupe, Farrimond.

Morphia.—*LONDON*—Howard, Smith.

Muriatic Acid.—*See* "Acid, Hydrochloric, Muriatic."

Naphtha, Coal Tar, and Wood.—*LONDON*—Alum Co., Barnes, Battley, Blott, Carless, Catchpole, Crow, Dickinson, Dussek, Forster, Griffith, Grindley, Smith Bros., Worringham. *COUNTRY*—Armitage, Bankhall, Bethell, Co., Bevan, Bond, Brown, Burt B. & H., Butler W., Cannop Co., Clayton Co., Coupe, Chivers T., Cotton, Crompton, Demuth, Elsworth, Gibbs, Glover,

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Nickel, Salts of.—*COUNTRY*—Garside, Newham.

Nitrates.—*LONDON*—Forster.

Nitrobenzole.—*COUNTRY*—Clayton Co.

Oil of Vitriol.—*See* "Acid, Sulphuric."

Orchil and Cudbear.—*LONDON*—Burton, Sutton. *COUNTRY*—Carr Jas., Emmett, Hirst, Marshall, Norris, Robinson Jas., Wood & B., Wilkinson B.

Oxides, Metallic.—*See* "Colours."

Pearlash.—*See* also "Potash." *COUNTRY*—Greenbank Co., Hickling.

Pepsine.—*COUNTRY*—Claridge.

Pharmaceutical Preparations.—*See* "Chemicals, Pharmaceutical."

Phosphorus.—*COUNTRY*—Albright, Hunt & Sons.

Picric.—*See* "Acid, Picric."

Pitch, Coal Tar, Wood.—*LONDON*—Alum Co., Crow, Dickinson, Dussek, Griffith, Grindley. *COUNTRY*—Appleby, Bethell J. & Co., Butler & Co., Culpan, Demuth, Elsworth, Gibbs, Gunton, Harvey W., Kempson, Meadows, Morgans, Morris W., Morris D., Pontithell Co., Robinson Bros., Stainsby, Turner, West England Co., Wright.

Potash, Acetate.—*LONDON*—Dunn.

Potash, Bicarbonate.—*LONDON*—Huskisson. *COUNTRY*—Sturge.

Potash, Bichromate.—*COUNTRY*—Norris.

Potash, Carbonate.—*COUNTRY*—Bradley, Hickling, Slack.

Potash, Caustic.—*COUNTRY*—Greenbank Co.

Potash, Chlorate.—*LONDON*—Forster. *COUNTRY*—Albright, Clare, Gamble, Greenbank Co., Hardshaw Co., Hunt & Sons, Kurtz, Muspratt Jas., Tyne Co.

Potash, Manganate.—*LONDON*—Condy.

Potash, Nitrate.—*See* "Saltpetre."

Potash, Permanganate.—*LONDON*—Alment, Condy.

Potash, Prussiate.—*COUNTRY*—Badams, Foster, Mellor.

Potash, Silicate.—*COUNTRY*—Gossage, Rumney.

Potash, Sulphate.—*COUNTRY*—Henry, Jones W.

Potassium, Bromide.—*LONDON*—Huskisson. *COUNTRY*—Southall.

Potassium, Cyanide.—*LONDON*—Johnson J. *COUNTRY*—Dobb, Harris, Newham.

Potassium, Iodide.—*LONDON*—Huskisson.

Printers' Solutions.—*See* "Dyers and Printers' Solutions."

Quinine.—*LONDON*—Howard, Whiffen.

Red Liquor.—*COUNTRY*—Barrow, Glover, Pochin, Rooke, Rumney, Southern T., Vaughan.

Rosin Distillers. — *LONDON* — Catchpole, Clarke, Clayton, Clerc, Fenner Grindley, Harrison, Price, Robertson, Robinson, Smith Bros. *COUNTRY*—Appleby, Blott, Butler & Co., Farrow, Hoyle, Robson, Hoyle Richard, Isherwood, Lawrie, Runcorn Co., Storry, Wells & P., Williams & L.

Sal Acetoscella.—*COUNTRY*—Pritchard.

Sal Ammoniac.—*See* "Ammonia."

Salicine.—*LONDON*—Whiffen.

Sal Prunella.—*See* "Saltcake."

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Salt.—*COUNTRY*—Blackwell Jas., Bourne, Corbett J., Droitwich Co., Droitwich Salt Co., Holbrook, Joule, Lycelt, Ogilvie, Seddon, Verdon, Wheelock, Wood W.

Saltcake.—*See also* "Soda Sulphate."—*LONDON*—East London Co. *COUNTRY*—Adkins, Bealey, Bevan, Bridgewater Co., Cannop Co., Globe Co., Golding, Hall Bros., Hardshaw Co., Hay-Gordon, Hutchinson, McBryde, Potter, Runcorn Co., Schofield, Smith & Mawdsley, Taylor, Tennants, Vivian, Wigg.

Saltpetre.—*LONDON*—Brandram Bros., East London, Squire. *COUNTRY*—Peyton, Roberts Thos., Slack, Wilson J. T., Wilton Co.

Salts, Epsom.—*LONDON*—Allen, Bethell John & Co., Howard. *COUNTRY*—Bramwell, Jones W., Robinson T., Winser.

Salts, Glauber, Liquid, and Dry.—*See also* "Soda, Sulphate."—*LONDON*—Ellis. *COUNTRY*—Earp, Holt, Morrow, Sharon Co.

Salts, Spirits of.—*See* "Acids, Muriatic, Hydrochloric."

Salts, Rochelle.—*LONDON*—Howard. *COUNTRY*—Sturge.

Silver, Nitrate.—*LONDON*—Johnson M., Johnson J.

Soda, Acetate.—*LONDON*—Dunn. *COUNTRY*—Jones, Lewis G., Lewis B. & Co., Morgans, Morris Wm., Ogden, Rooth, Singleton J., Trotter, Warburton.

Soda, Arseniate and Binarseniate.—*COUNTRY*—Hohenhausen, Pochin, Vicars T.

Soda Ash.—*COUNTRY*—Adkins, Allen, Birdsall, Bealey, Bridgewater Co., Burnett T., Carvill Co., Crowther Hor., Gamble, Gaskell, Hazlehurst, Heworth Co., Hunt, Hutchinson W., Imeary, Jackson T. H., Jarrow Co., Johnson T., Kurtz, Lockwood L., Lyon, Mort, Muspratt Bros., Muspratt Jas., Netham Co., Newcastle Co., Nixon, Potter, Richardson J. G., Riley, Runcorn Co., Schofield, Smith & Mawdsley, St. Bede's Co., St. Helen's Co., Sullivan, Taylor M. & G., Tennant C., Tennants, Tyne Co., Vivian, Washington Co., Widnes Co.

Soda, Bicarbonate.—*LONDON*—Huskisson. *COUNTRY*—Gaskell, Hutchinson, Hunt, Jarrow Co., Kurtz, Muspratt Bros., Pattinson.

Soda, Bisulphite.—*LONDON*—Alment, Boake. *COUNTRY*—Collett, Marriott.

Soda, Caustic, White, Cream, Liquor, &c.—*COUNTRY*—Barrow J., Bibby, Bramwell, Bridgewater Co., Clare, Farmer, Gamble, Gaskell, Golding, Greenbank Co., Gregson, Hutchison, Hunt, Jarrow Co., Kurtz, Lockwood, Lyon, McBryde, Morrow, Mort, Muspratt Bros., Muspratt Jas., Netham Co., Pilkington & Son, Riley, Roberts Dale, Schofield, St. Helen's Co., Sullivan, Tennants, Widnes Alkali Co.

Soda, Chlorate.—*COUNTRY*—Gamble, Muspratt Jas.

Soda Crystals.—*COUNTRY*—Adkins, Allen, Bealey, Brunner, Burnett T., Carville Co., Fletcher J., Gaskell, Goesage, Heworth Co., Hunt Bros., Hutchinson, Imeary, Jackson J. & T., Jackson T. H., Jarrow Co., Johnson T., Kurtz, Muspratt Bros., Netham Co., Newcastle Co., Pattinson, Runcorn Co., Smith & Mawdsley, St. Bede's Co., Tennant C., Uttley, Vivian, Washington Co.

Soda, Hyposulphite.—*LONDON*—Dunn.

Soda, Manganate.—*LONDON*—Condy.

Soda, Nitrate.—*COUNTRY*—Austin, Liverpool Co., Lunn.

Soda, Permanganate.—*LONDON*—Alment, Condy.

Soda, Phosphate.—*LONDON*—Dunn. *COUNTRY*—Vivian.

Soda, Silicate.—*COUNTRY*—Gossage, Rumney.

Soda, Stannate.—*COUNTRY*—Tennants & Co.

Soda, Sulphate.—*See also* "Glauber Salts," and "Saltcake."—*LONDON*—Cumberland. *COUNTRY*—Birdsall, Cannan, Crowther B., Crowther Hor., Farmer, Fletcher, Hazlehurst, Hunt Bros., Jones W., Langdale Co., Lunn, Mathieson, Muspratt Bros., Muspratt Jas., Netham Co., Newcastle Co., Ormerod, Pilkington, Richardson J. G., Roberts Dale, Rotherham Co., Snape, Sullivan, Tyne Co., Vivian, Whitham.

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Soda, Sulphite.—*LONDON*—Alment, Boake. *COUNTRY*—Bailey, Collett.

Spirits, Dyers'.—*See* "Dyers' Spirits."

Strontia, Nitrate.—*LONDON*—Bell, Cumberland, Squire.

Strychnine.—*LONDON*—Whiffen.

Sulphur.—*LONDON*—Brandram Bros, Dunn, Gas P. Co. *COUNTRY*—Albright, Netham Co., Roberts T., Slack, Tharsis Co., Wilton Co.

Sulphur, Chloride.—*LONDON*—Alment, Forster, Gas P. Co. *COUNTRY*—Barrow, Fisher.

Sulphur, Flowers of.—*LONDON*—Hills, Scott. *COUNTRY*—Roberts T., St. Helen's Co., Wilton Co.

Sulphur, Precipitated.—*LONDON*—Forster. *COUNTRY*—Albright & W.

Superphosphates. *See* "Lime Superphosphates.

Tar Distillers, Coal-Wood.—*LONDON*—Alum Co., Burt, Catchpole, Clarke, Clayton, Clerc, Dickinson, Fenner, Grindley, Harrison, Price, Robertson, Robinson, Smith Bros. *COUNTRY*—Armitage W., Appleby, Barrow J., Blott, Bowes, Butler, Farrow, Fielding, Hoyle Robson, Hoyle Rich., Isherwood, Lawrie, Lewis G. L., Major, Morgans, Pontithel Co., Pontrilas Co., Robinson Bros., Singleton, Stainsby, Turner, Vivian, Wells P., West England Co., Williams & Lamb.

Tar Products.—*LONDON*—Dickinson, Dussek, Perkin. *COUNTRY*—Bevan, Butler & Co., Demuth, Holliday, Johnson T., Kurtz C., Lowe, Major, Meadows, Plumbe.

Tin Crystals.—*COUNTRY*—Bowden, Brookside Co., Forrester, Lunn, Tennant & Co., Wilkinson B.

Tin, Muriate.—*COUNTRY*—Reeve.

Tin, Solutions.—*COUNTRY*—Birdsall, Bowden, Crowther G. J., Crowther Hor. Crowther Wm. & Son, Forrester, Jackson T. H., Metcalf T., Ormerod, Southern G., Southern T.

Toluol.—*See* "Benzole."

Turpentine.—*See* "Rosin Distillers."

Ultramarine.—*COUNTRY*—Rawlins.

Valerianates.—*LONDON*—Forster.

Vitriol, Oil of.—*See* "Acid, Sulphuric."

Zinc, Chloride.—*LONDON*—Allen. *COUNTRY*—Winser.

Zinc, Sulphate.—*COUNTRY*—Hills W. A.

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BISHOP, ALFRED, 17, Specks Fields, Spitalfields.—*Citrate Magnesia.*

BLOTT, JOHN & JONATHAN & Co., Eagle Chemical Works, Crisp Street, Poplar, E.—*Benzine, Naphtha, Carbolic Acid, &c.*

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BRANDRAM BROTHERS & Co., 5, Philpot Lane, E.C.; and Lower Road, Rotherhithe, S E.—*Oil of Vitriol, Sulphur, Saltpetre, &c.*

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BUSH, WILLIAM JOHN, Artillery Lane, E.C.; and Hackney. *Citrate Magnesia, Pharmaceutical Preparations, &c.*

CARLESS, CAPEL & LEONARD, Hope Chemical Works, Hackney Wick, E.—*Benzine, Benzole, Benzoline, Gasaline, Carburine, Naphtha.*

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CORY, DR. HORACE & Co., Hatcham Manor Works, Tustin Street, Old Kent Road, S.E.—*Acetic Acid, Pharmaceutical Chemicals, &c.*

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CUMBERLAND, HENRY, Millwall, E.—*Sulphuric and Nitric Acids, Sulphate of Soda, Nitrate of Strontia and Baryta, &c.*

DICKINSON, ARTHUR JOHN, Neptune Works, Deptford, S.E.— *Sulphate of Ammonia, Carbolic Acid, Naphtha, Tar, Pitch, and Tar Products.*

DUNN & Co., Stirling Chemical Works, Abbey Lane, West Ham, E.—*Acetic, Muriatic, Phosphoric, and Sulphurous Acids, Acetates of Potash and Soda, Soda Hyposulphite, Citrate of Magnesia, Precipitated Chalk and Sulphur, Bisulphite of Lime, Lime Hyposulphite, Phosphate, and Liquid Ammonia, Photographic Chemicals.*

DUSSEK, ALEXANDER LOUIS, Windmill Lane, Deptford, S.E.—*Carbolic Acid, Creosote, Naphtha, Tar and Pitch.*

EAST LONDON SALTPETRE WORKS, LIMITED, Stainsby Road, Limehouse, E.—*Refined Saltpetre, Sal Prunella, Purified Nitre.*

EDGINGTON & Co., 60, Old Kent Road, S.E.—*Chemical Manures.*

ELLIS & Co., Chemical Works, Old Ford, Middlesex.—*Acetic, Nitric, Sulphuric, and Sulphurous Acids, Alum, Sulphate of Alumina, Aluminous Cake, Glauber Salts.*

FARMER, THOMAS & Co., Hall's Wharf, Victoria Docks, E.; and Dunster House, Mark Lane.—*Oil of Vitriol, Nitric and Muriatic Acids, commercial and pure, and Chemical Manures.*

FENNER, N. & J., Millwall, E.—*Tar and Turpentine.*

FINCH, MARK & Co., Silvertown Chemical Works, Victoria Docks, E.—*Sulphuric Acid, Manures.*

FLETCHER, FLETCHER & STEVENSON, North London Chemical Works, Holloway, N.—*Pure Acids, Pharmaceutical Preparations.*

FORSTER & GREGORY, Lonesome Works, Streatham Common, S.W.—*Bisulphide of Carbon, Chloride of Sulphur, Naphtha, Benzole, Bisulphite of Lime, Hypophosphates, Valerianates, Chlorates, Nitrates, Precipitated Sulphur, &c.*

GABRIEL, T. & SONS, Thames Street, Rotherhithe, S.E.—*Creosote.*

GAS PURIFICATION AND CHEMICAL COMPANY, LIMITED, 161, Palmerston Buildings, Old Broad St., E.C., and Warton Rd., Stratford, E.—*Ammonia Salts, Prussian Blue, Sulphur (extract), Chloride of Sulphur, Sulphide of Antimony, Bisulphide of Carbon.*

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GIBBS, JAMES, & Co., 16, Mark Lane; and Victoria Docks, E.—*Oil of Vitriol and Manures.*

GRIFFITHS & Co., White Post Lane Hackney Wick, E.—*Creosote, Anthracene, Naphtha, Benzole, Pitch, Carbolic Acid, Sulphate of Ammonia.*

GRINDLEY & Co., Upper North Street, Poplar, E.—*Tar, Rosin, and Turpentine Distillers, Naphtha, Creosote, Anthracene, Pitch, &c.*

HADFIELD, J., St. James's Road, Holloway, N.—*Chemical Manures.*

HALE, William H., West Ham, Essex.—*Chemical Manures.*

HALLETT & FRY, Norway Wharf, 202, Rotherhithe Street, S.E.—*Antimony Refiners.*

HARDING, JAMES, 115, Exmouth Street, E.—*Liquid Blue.*

HARRISON, THOMAS & Co., Lower Road, Deptford, S.E.—*Tar and Turpentine Distillers.*

HATTON, MRS. SOPHIA & Co., White's Row, Whitechapel, E.—*Preparations for Silk, Cotton, Wool, and Leather Dyeing.*

HILLS, FRANK CLARKE, 17, Mark Lane, E.C.; Works, Deptford, S.E.—*Tartaric Acid, Sulphuric Acid, Carbonate and Sulphate of Ammonia, Refined Brimstone (Flowers, Roll, and Rock), Chemical Manures.*

HOLT, THOMAS, Salamanca, Vauxhall Walk, S.—*Dyes.*

HOPKIN & WILLIAMS, Bridgefield, Wandsworth, S.W.—*Pharmaceutical Preparations.*

HOULDER, WILLIAM, SON & Co., 9, Mincing Lane, E.C.; Norwood Works, Southall, Middlesex.—*Oil of Vitriol.*

HOWARD & SONS, City Mills, Stratford, E.—*Quinine, Sulphurous Acid, Borax, Epsom and Rochelle Salts, Tartaric, Citric, and Benzoic Acids, Morphia, and Pharmaceutical Chemicals.*

HUNT, JARED TERRET & SON, Bow Bridge Works, Stratford, E.—*Bone Manures.*

HUSKISSON, WILLIAM & HENRY OWEN, Swinton Street, Gray's Inn Road, W.C.—*Bicarbonates Potash and Soda, Iodide and Bromide Potassium, and various Pharmaceutical Preparations.*

JOHNSON, MATTHEY, & Co., 77, Hatton Garden, E.C.—*Nitrate Silver, Chloride Gold, Photographic Chemicals, &c.*

JOHNSON, JOHN & SONS, 23, Cross Street, Finsbury, E.C.—*Nitrate Silver, Chloride Gold, Cyanide of Potassium, Photographic Chls., &c.*

KEMBALL, JOSEPH & Co., Three Mills Lane, Bromley, E.—*Tartaric Acid.*

LAUDER & CROSBIE, Bridge Mills, New North Road.—*Citrate Magnesia.*

LAWES' CHEMICAL MANURE Co., LIMITED, Barking Creek, Essex.—*Chemical Manures, Sulphuric Acid.*

LAWES, JOHN BENNET, Millwall.—*Tartaric Acid.*

MAY & BAKER, Garden Wharf, Battersea, S.W.—*Pharmac. Chemicals.*

MILLER & JOHNSON, 36, Mark Lane, E C., and Rainham Ferry, Essex.—*Chemical Manures.*

MOCKFORD & Co., Normandy Wharf, Deptford Creek, S.E.—*Alum, Green Copperas, and Manures.*

NITRO-PHOSPHATE BLOOD MANURE COMPANY; JAMES ODAMS, Manager, 109, Fenchurch Street, E.C.—*Chemical Manures.*

PATENT SANITARY MANURE COMPANY, West Ham, E., FREDERICK S. HEMPLEMAN & Co.—*Manures various.*

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PAXTON, RICHARD & Co., Broomfield Street, Poplar, E.—*Muriatic and Sulphuric Acids.*

PONTIFEX & WOOD, Millwall Works, Millwall, E.—*Tartaric and Citric Acids, Oil of Vitriol, &c.*

PRICE, CHARLES & Co., Millwall, Poplar, E.—*Tar and Turpentine.*

PURSER, EDWARD, London Manure Compy., 116, Fenchurch St., E.C., and Plough Wharf, Cubitt Town, E.—*Chemical Manures.*

REYNOLDS BROTHERS, 24, Mare Street, Hackney, E.—*Aniline Dyes, &c.*

ROBBINS, JAMES, Gibraltar Walk, Bethnal Green Road, E.—*Nitrous, Nitric, Muriatic, and Sulphuric Acids, Dyers' Spirits, &c.*

ROBERTSON, WILLIAM & Co., Falcon Wharf, Holland Street, S.E.—*Turpentine and Tar Distillery.*

ROBINSON & Co., 9, Mincing Lane, E.C.—*Tar and Turpentine Distillers.*

SALMON, HORATIO JOHN, Britannia Chemical Works, Drummond Road, Bermondsey, S.E.—*Manures.*

SCOTT, WM. THOS. & Co., Crown Works, Marshgate Lane, Stratford, E.—*Flowers of & Roll Sulphur, Muriatic, Acetic, and Sulphurous Acid.*

SEAGER, J., St. Leonard's Road, Bromley, E.

SMITH PERCIVAL & Co., 2, Bow Common Lane, Bow, E.—*Ammonia, Liquid Muriate and Sulphate, Iron Muriate and Nitrate, Tin Crystals, and Muriatic, Sulphuric, and Nitric Acids.*

SMITH BROTHERS, & Co., 101, Leadenhall Street, E.C.; and Stratford, E.—*Creosote, Naphtha, Benzole, Tar, Turpentine, Rosin, &c.*

SMITH, T. & H., 12, Worship Street, E.C.—*Morphia and various Pharmaceutical Preparations.*

SQUIRE, W. S. & Co., Langthorne Chemical Works, Stratford, E.—*Sulphuric Acid, Salt Cake, Sulphate Potash, Glauber Salts, Saltpetre, Nitrates Strontia and Baryta, Citrate Magnesia, &c.*

STANDEN, B., East Greenwich, S.E.—*Chemical Manures.*

STEVENS, SON & Co., 33, Mark Lane, E.C. & Bromley, E.—*Chemical Manures.*

SUTTON, THOMAS, & SON, 25, Hickman's Folly, S.E.—*Dyes, Indigo Extracts, Orchil and Cudbear.*

TIBBS, FREDERICK, 63, Chalk Farm Road, Camden Town, N.W.—*Annatto.*

TORR, GEORGE, Trundley's Lane, Lower Road, Deptford, S.E., and Buck's Row, Whitechapel, E.—*Animal Charcoal, Sulphate of Ammonia.*

UNIVERSAL MANURE COMPANY, Globe Wharf, Rotherhithe, S.E.—*Chemical Manures.*

WALLACE, H. & Co., New Road, Battersea Park, S.W.—*Sulphuric, Nitric, and Muriatic Acids.*

WHIFFEN, THOMAS, Lombard Road, Battersea, S.W.—*Quinine, Strychnine, Salicine, &c.*

WHITE, THOMAS & ALFRED, Castle Street, Saffron Hill, E.C.—*Oil Vitriol.*

WINSTONE, BENJAMIN, 100, Shoe Lane, E.C.; and Stratford, E.—*Creosote.*

WORRINGHAM, THOS. H. & Co., Black Horse-rd, Deptford, S.E.—*Naphtha.*

WRIGHT, SELLERS, & RAYNER, Southwark Street, S.E.—*Pharmaceutical Preparations.*

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CHEMICAL MANUFACTURERS.

Country.

(P S denotes Passenger Station, T Telegrams, G Goods Station.)

ADAMS & WHITE, Bromsgrove, Worcestershire, P T & G S Bromsgrove, 1 m.—*Indigo Extracts.*

ADKINS, THOMAS & Co., Smethwick, Birmingham, Staffordshire, P & G S Soho, L & N W R ½ m.—*Red Lead, Oil of Vitriol, Muriatic Acid, Soda Crystals and Ash, Salt Cake, Chemical Manures.*—See Advt. p. 12.

ALBRIGHT & WILSON, Oldbury, near Birmingham (Worcestershire), P S Langley Green, G W ½ m. & Oldbury L N W R, 1¼ m., T Oldbury, G Spon Lane, L N W R, 1¼ m.—*Phosphorus, Amorphous Phosphorus, Chlorate of Potash, Lac Sulphur, Precipitated Sulphur.*

ALLEN, JOHN & WILLIAM, Wallsend, Newcastle-on-Tyne—*Alkali, Soda Ash and Crystals, and Bleaching Powder.*

ANDERTON, EDWARD DIXON, Carnon Vitriol Works, Devoran, Cornwall—*Sulphuric Acid.*

ANIMAL PRODUCTS COMPANY, LIMITED, 41, Russell St., Liverpool.—*Pure Blood Albumen.*

APPLEBY, Mrs. J., Heworthshore, Gateshead, Durham—*Tar, Turpentine, Pitch.*

ARMITAGE, JAMES & SON, Dartmouth Street, Birmingham—*Sulphate and Muriate of Ammonia.*

ARMITAGE, WILLIAM, Victoria Chemical Works, Clarence Road, Leeds, P S Leeds, 1 m., T Hunslet, G Midland, ½ m.—*Naphtha, Iron Liquor, Wood Tar and Charcoal.*

ARNOTT BROTHERS & Co., LIMITED, Albion Works, Neptune Street, Liverpool. London, 38A, King William-st., E.C.—*Chemical Manures.*

ASBURY, E. & SON, Louisa Street, Birmingham—*Oil of Vitriol.*

ASHTON & KINDER, 52, Dale Street, Manchester; Works: Romily, Cheshire. *Aniline Dyes and Paste Blue.*—See Advt. p. 12.

ASHWORTH, Jos., Frodsham Bridge, Frodsham, Cheshire.—P T & G S Frodsham, 1 m.—*Bone Manures.*

ASTLE, WILLIAM, Etruria, Staffordshire—*Copperas and Iron Liquor, Ammonia Sulphate, Sulphuric, Muriatic, and Nitric Acids.*

ATKINSON & RAPER, Humber Chambers, Hull; Works: Stoneferry, Hull, P & G S Wilmington, ¼ m.—*Manures.*

ATLAS CHEMICAL COMPY., LIMITED, West Bank, Widnes, Lancashire, P T & G S Widnes, ¼ m.—*Salt-Cake, Muriatic Acid, and Bleaching Powder.*

AVON MANURE COMPANY, Avon Chem. Wks., St. Philip's Marsh, Bristol, P & G S, Temple Meads, 1 m., T Bristol.—*Sulphuric Acid and Chemical Manures.*

AUSTIN, JOHN, Allscott Chemical Works, Wellington, Salop—P S Admaston, 1 m., T Wellington, G Siding—*Vitriol, Sulphate Ammonia, Chemical Manures.*

BADAMS BROTHERS, Spring Hill Colour Works, Birmingham, G S Monument Lane—*Prussiate Potash, Pulp, Chinese and Prussian Blues.*

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BAILES & HALLSWORTH, Copperas Works, Armley, Leeds, P & G S Armley and Wortley G N each ¾ m., T Armley—*Copperas.*

Do. do. Hunslet, Leeds—*Hydrated Oxide of Iron.*

BAILEY, WILLIAM & SON, Horsley Fields Chemical Works, Wolverhampton, Staffordshire, P & G S, L & N W, Mid. & G W R adjoining Works. London, 2, Abchurch Yard, E.C.—*Photographic and Pharmaceutical Chemicals, Sulphites and Bisulphites of Lime, Soda, Ammonia, Bisulphide of Carbon, Chloride of Alumina, &c.*

BALY, SUTTON & Co., Runham Cheml. Works, Yarmouth, Norfolk, P & G S Vauxhall, ½ m.—*Sulphuric and Muriatic Acids, Sulphate Ammonia, and Chemical Manures.*

BANKHALL OIL WORKS, LIMITED, Canada Docks, Liverpool—*Naphtha.*

BARROW, JOHN, Dalton Chem. Works, Clayton, near Manchester.—*Tar Products, Ammonia Liquor and Salts, Sulphur, Red and Iron Liquor, Acetic and Nitric Acids, Caustic Soda, &c.*

BARROW, WILLIAM WRIGHT, Wilmington, Hull—*Chemical Manures.*

BARTON, R. W., West Leigh Chemical Works, Leigh, Lancashire—*Alkali*

BASFORD CHEMICAL COMPANY (RICHARD EATON, Proprietor), Basford Cheml. Wks., Basford, Nottingham, P & G S G N 200 yds, Midland ¾ m.—*Sulphuric, Muriatic, and Nitric Acids, Sulphate of Ammonia.*

BAXTER, HENRY, Parr Works, St. Helens, Lancashire—*White Caustic Soda.*

BEALEY, RICHARD, & Co., Works, Radcliffe, P T & G S Radcliffe, ½ m—Manchester—*Hydrochloric, Sulphuric, and Muriatic Acids, Bleaching Liquor and Powder, Soda Ash, Refined ditto Crystals, and Salt Cake.*

BECKER, H. & Co., Slack's Valley Chemical Works, Chadderton, near Oldham, Lancashire, P & G S Middleton Junction, ½ m., T 22 Brazennose-st., Manchester—*Sulphuric, Muriatic and Nitric Acids, Muriate of Tin, Nitrate of Iron, Dyers' and Printers Solutions.*

BETHELL, JOHN & Co., Clayton Chem. Works, Clayton, Manchester—*Cake Alum, Epsom Salts, Creosote, Naphtha, Anthracene, Carbolic Acid, Sulphuric Acid, Benzole, Benzine, Pitch, &c.*

BETHELL, JOHN, Lightbody Street, Liverpool—*Creosote.*

BEVAN, JOHN & SON, Llanelly Chem. Works, Llanelly, Carmarthenshire, P T & G S Llanelly, ½ m.,—*Sulphuric Acid, Naphtha, Acetates of Lead and Lime, Salt Cake, Charcoal, Tar.*

BIBBY, HENRY, 7, Calm St., Ardwick, Manchester.—*Aniline Dyes, Blood Albumen, Caustic Soda.*

BIRDSALL, THOMAS, Cliff C. Works, Meanwood Road, Leeds, P and G S Leeds, 2 m.—*Sulphate of Soda, Soda Ash, Copperas, Nitrate of Iron, Tin and Iron Solutions, Dyers' Spirits, Aquafortis, Sulphuric and Muriatic Acids, Ammonia.*

BLACKER, DAVID, Thornhill, Dewsbury, Yorkshire, P & G S Thornhill Lees, 1½ m.—*Extract of Indigo, Dyers' Solutions, Mordants, &c.*

BLACKWELL, JAMES, Malkin's Bank, Sandbach, Cheshire—*Salt.*

BLACKWELL GEO. G., Office, Richmond Buildings, Liverpool; Works, Garston—*Oxide of Manganese.*

BLAIR, H., & Co., Kersley Chemical Works, Kersley, Manchester—*Alkali.*

BLOTT, J. J. & Co., Runham, Yarmouth—*Ammonia, Tar and Turpentine.*

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BLYTHE, WILLIAM, & Co., Holland Bank Cheml. Works, Church, Accrington, Lancashire, P & G S Church, ¼ m.—*Chemical Products for Bleachers, Dyers, and Calico Printers.*

BOND, F. (Exors. of the late), Newbridge Hill, Louth, Lincolnshire—*Anthracene, Naphtha, Creosote, Benzole, Sulphate of Ammonia.*

BOREHAM ALKALI COMPANY, 60, South Castle Street, Liverpool—*Alkali.*

BOTTOMLEY, J. C., Brookfoot Chemical Works, Brighouse, Yorkshire—*Nitric and Muriatic Acids, Dyers' Solutions, &c.*

BOURNE & GREAVES, Phœnix Works, Droitwich—*Salt.*

BOWDEN, JOSEPH, Zara Street, Chemical Works, Manchester—*Nitric Acid, Tin Crystals and Solutions, Dyers' Solutions, Aniline Colours, &c.*

BOWDLER & BICKERDIKE, Eagle Chemical Works, Church, Accrington, Lancashire, P & G S Church 1 m.—*Phenol, Carbolic Acid, Picric Acid, Aurine, Aniline Dyes.*

BOWEN, HENRY, Union Chemical Works, Morriston, Swansea—*Oil of Vitriol.*

BOWER, WILLIAM H., Brookfield Works, Gorton Lane, West Gorton, Manchester—*Acetic Acid.*

BOWES, JOSEPH & Co., Roper Street, Whitehaven, Cumberland—*Ammonia Sulphate, Carbolic Acid, Tar Distillers.*

BOWSKILL, THOMAS, Mansfield, Nottingham—*Ammonia.*

BRADBURN & Co., LIMITED, Wednesfield, Wolverhampton, Staffordshire, P S Wednesfield, Siding to Works—*Sulphuric Acid, Chemical Manures.*

BRADBURY, THOMAS L., Winsford, Cheshire—*Bone Manures.*

BRADLEY, CHARLES HENRY, New Street, Huddersfield, Yorkshire—*Potash.*

BRAMWELL, E. & SON, Navigation Chem. Works, St. Helen's, Lanc., P T & G S St. Helen's, 1 m.—*Cream Caustic Soda, Epsom Salts, &c.*

BRIDGEWATER SMELTING COMPANY, Bridgewater Works, St. Helens, Lancashire, P & G S St. Helen's, ¼ m—*Salt Cake, Sulphuric and Muriatic Acids, Ash and Caustic Soda, Bleaching Powder.*

BROOKE, SIMPSON & SPILLER (late PERKIN & SONS,) Greenford Green, Harrow, Middlx; London: 9, Fenchurch St. E. C.—*Alizarine, Aniline Dyes.*

BROOKSIDE CHEMICAL COMPANY, Church, near Accrington, Lancashire, P & G S Church, 1 m.—*Indigo Extracts, Tin Crystals, Dyes, &c.*

BROTHERS & MASON, Livesey Chem. Works, nr. Blackburn, Lancashire, P & G S Cherry Tree, ¼ m.—*Carbonate of Ammonia, Sulphate of Lime.*

BROWN, JOHN (Exors. of late), Ford Works, South Hylton, Sunderland, Durham—*Charcoal, Wood Naphtha, Acetate of Lime.*

BRUNNER, MOND, & Co., LIMITED, Winnington Alkali Works, Northwich, Cheshire, P S Hartford or Northwich, ea. 2 m.—T Northwich, G Winnington adjoining Works—*Pure Alkali* 58 %., *Crescent brand.* See Advt. p. 4.

Do. Do. Bechton Alkali Works, Sandbach, Cheshire, P & T S Sandbach, 2½ m.; G Ettiley Heath, N S R.—*Pure Alkali, Soda Crystals.*

BURNARD, LACK & ALGER, Plymouth Chemical Works, Plymouth, P S G W Millbay 1 m.; G S Sutton Harbour adjoining Works—*Sulphuric Acid and Chemical Manures.*

BURNETT, T. & SONS, Office: 2, Lombard Street, Newcastle-on-Tyne; Bill Quay Alkali Works, Gateshead, Durham.—*Soda Ash and Crystals, Bicarbonate of Soda, Bleaching Powder.*

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BURRELL, R. & W., Bury St. Edmunds, Suffolk, P T & G S Bury St. Edmunds, 1 m. — *Sulphuric Acid, Superphosphate, Sulphate of Ammonia, and Chemical Manures.*

BURRELL, JOHN, 30, Biggmarket, and Tyne Manure Works, St. Lawrence, Newcastle-on-Tyne. — *Superphosphate Lime, Dissolved and Ground Bones, Bone Meal, and Chemical Manures.*

BURT, BOULTON & HAYWOOD, Murston Ch. Works, Sittingbourne, Kent, P & G S Sittingbourne, 1½ m.; London, 64, Cannon-st., E C.—*Anthracene, Naphtha, Benzole, Creosote, Carbolic Acid, Sulphate of Ammonia.*

BUTLER, WILLIAM, & Co., St. Philip's, Bristol; P T & G S Bristol, ¼ m.

Do. Do. Upper Parting, Gloucester; P & G S Gloucester, 2 m.—*Mineral Naphtha, Creosote, Carbolic Acid, Benzole, Anthracene, Turpentine, Lamp and other Blacks, Rosin, Pitch, Tar, &c.*

CALVERT, F. C. & Co., Tower Cheml. Works, Bradford, near Manchester P & G S London Road, 2 m., T Bradford; London, 1, Australian Avenue, E.C.—*Carbolic Acid.*

CAMBRIDGE MANURE COMPANY (BIRD BROTHERS), Duxford, Cambridgeshire, P & G S Whittlesford, ¼ m.—*Superphosphates, Ground Coprolites, and Chemical Manures.*

CANNAN, WILLIAM, Adolphus Chemical Works, Bradford, Yorkshire—*Sulphate of Soda.*

CANNOP CHEMICAL COMPANY, Cannop Chem. Works, Monmouth, P & G S Speech House Road, S & W R by Works, T Monmouth; Lon. Agts., CHARLES & FOX, 3, Mincing Lane.—*Wood Charcoal, Naphtha, Tar, Lamp Black, Sugar of Lead, Oil of Vitriol, Salt Cake.*

CARGREEN MANURE COMPANY, 4, Kirby Place, and Cargreen-on-Tamar (nr. Plymouth); Manager, Mr. W. H. LANGMAN—*Chemical Manures.*

CARR, JAMES, Knostrop, Leeds—*Orchil and Cudbear.*

CARVILLE, CHEMICAL COMPANY, LIMITED, 42, Mosley Street, and Wallsend, Newcastle-on-Tyne, P S Wallsend ½ m.—*Soda Ash and Crystals, Refined Alkali, Bleaching Powder.*

CASTHELAZ, JOHN, Crumpsall Vale Chemical Works, Blackley, near Manchester—*Aniline Preparations and Dyes, Benzole, Picric Acid.*

CHANCE BROTHERS & Co., Alkali Works, Oldbury, near Birmingham; London, 104, Finsbury Circus—*Alkali.*

CHAPMAN, H., & Co., Cornhill, Ipswich; Works, Bramford, near Ipswich, Suffolk, P S Bramford, 1 m., T S Ipswich G S, by Works—*Sulphuric Acid, Superphosphate of Lime, Chemical Manures, &c.*

CHIVERS, TODD & CHIVERS, Pontypridd, Glamorganshire, P & G S Taff Vale, 1½ m.—*Acetates of Lead and Lime, Vegetable Naphtha, Charcoal.*

CLARE, JOHN & SON, Widnes, Lancashire, P T & G S, Widnes ½m.—*Caustic Soda, White, Cream, & Red, Soda Solutions, Chlorate of Potash, Ammonia Sulphate, Bleaching Powder, & Paper Makers' Chemicals.*

CLARIDGE, F. & Co., Warwick, P & G S, Warwick—*Pepsine.*

CLAPHAM, ANTHONY, Newcastle-on-Tyne—*Sulphate of Ammonia.*

CLAYTON ANILINE COMPANY, LIMITED, 7, Chapel Walks, Manchester, and Clayton, near Manchester—*Aniline, Benzole, Nitrobenzole, Binitrobenzole, Solvent and Burning Naphtha.*—See Advertisement, page 10.

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CLEVELAND CHEMICAL MANURE COMPANY, Stokesley, near Northallerton —*Chemical Manures.*

COOKE, F., Farm Street, Birmingham—*Nitric, Nitrous, Sulphuric and Muriatic Acids.*

COOKSON & Co., Hewdon Smelting Works, Newcastle-on-Tyne—*Antimony.*

COOKSON, J. H. & Co., West Yorkshire Alum Works, Lofthouse, near Wakefield, Yorkshire; P T & G S Wakefield.—*Alum and Sulphate of Alumina.*

COLEMAN, W. J., & Co., Bury St. Edmunds—*Bisulphite of Lime.*

COLCHESTER, WILLIAM, St. Clements, Ipswich; P T & G S Ipswich, ½ m. —*Ground Coprolite, Superphosphate of Lime, Chemical Manures.*

COLLETT, J. M., & Co., High Orchard, Gloucester, P & G S Gloster, Mid & G W, ½ m.—*Sulphites and Bisulphite of Lime and Soda, Sulphurous Acid, &c.*

CONNAH'S QUAY ALKALI COMPANY, Connah's Quay, Flintshire, P T & G S by Works—*White and Cream Caustic Soda, Bleaching Powder, Salt Cake, &c.*

CORBETT & Co., Plaskynaston Chemical Works, near Ruabon, N. Wales. P & G S Acrefair, G W R, ¼ m., T Ruabon.—*Carbolic Acid, Picric Acid, Aurine, Coralline, &c.*

CORBETT, JOHN, M.P., Stoke Prior Salt Works, Bromsgrove, Worcestershire; P & G S Mid R at the Works, T Bromsgrove; Lon. Agts., WESTON & WESTALL, 115, Lower Thames Street, E.C.—*Salt.*

CORNWALL ARSENIC COMPANY, Marazion, Cornwall—*Lump and Ground Arsenic.*

COTTON, THOMAS & SON, Folly Hall, Deadwater, Huddersfield, Yorkshire —*Liquid and Sulphate of Ammonia, Benzole, Naphtha, Creosote.*

COUPE, E. & M., St. Helen's Chemical Works, Brindle, Chorley, Lancashire—*Mordants, Naphtha, Acetic Acid, Wood Charcoal.*

CRABB, WM., Border Counties Works, Silloth, Cumberland, P T & G S Silloth, ¼ m.—*Sulphuric Acid, Bone Manures, and Superphosphates.*

CROFT, THOMAS & Co., Albion Chemical Works, Seacombe, Cheshire— *Precipitated Phosphate of Lime.*

CROMPTON, GEORGE, 12, Bury Street, Salford, Manchester—*Acetic Acid, Naphtha, &c.*

CROMPTON & POTTER, Hall Chemical Works, Little Lever, near Bolton, Lancashire—*Oil of Vitriol.*

CROSFIELD, JOSEPH & SONS, Bank Quay Soap Works, Warrington, Lancashire—*Silicate of Soda and Soaps.*

CROWTHER, BENJAMIN, Drub Lane Chemical Works, Gomersal, Leeds, P & G S Birstall, 1 m., T Gomersal.—*Muriatic & Nitric Acids, Dyers' Spirits, Sulphate of Soda, &c.*

CROWTHER, GEORGE J., & Co., Woodhouse Chemical Works, Leeds, P & G S Leeds, 2 m.—*Sulphuric, Muriatic, and Nitric Acids, Copperas, Tin and Iron Solutions, Ammonia, &c.*

CROWTHER, HORATIO & Co. (RICHARD BAILES), Woodhouse Carr, Leeds, P & G S Leeds.—*Sulphate Soda, Soda Ash, Copperas, Tin Solutions, Dyers' Spirits, Aquafortis, Sulphuric and Muriatic Acids.*

CROWTHER, WILLIAM & SONS, Gomersal Chemical Works, near Leeds,

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P & G S, Liversedge, 1½ m.—*Sulphuric, Nitric, and Muriatic Acids, Tin and Iron Solutions.*

CULPAN, JOHN & SONS, White Lee, Heckmondwike, Yorkshire, P & G S Birstall, ¼ m., Heckmondwike, 1 m.—*Naphtha, Benzole, Carbolic Acid, Anthracene, Creosote, Pitch, Liquid Ammonia.*

DANTEC, W., Mersey Works, Statham, Warrington—*Chemical Manure.*

DEMUTH LEWIS & Co., Springfield Cheml. Works, Oldbury, Worcestershire, P S Oldbury, ¼ m., G S Spon Lane, ¼ m.—*Benzole, Toluol, Carbolic Acid, Naphthas, Creosote, Pitch, Anthracine, and Coal Tar Products.*

DENTITH, THOMAS, Hargreaves Street, Manchester—*Chemical Products for Cotton, Worsted, Silk Dyers, and Calico Printers.*

DIXON & CARDUS, Redbridge, near Southampton—*Superphosphates.*

DOBB, JOSEPH TINKER, Oxide Works, Sheffield, Yorks, P & G S Sheffield, Mid. & M S & L—*Cyanide of Potassium, Nitrous, Nitric, and Fluoric Acids, Oxide Manganese.*

DRAKE, Z. & SONS, Belle Works, Huddersfield—*Dyers' Solutions, Soda.*

DROITWICH SALT COMPANY, LIMITED (J. H. BRADLEY, Manager), Droitwich, Worcestershire; London, BUMSTEAD & Co., Lower Thames St.—*Salt.*

DROITWICH SALT Co. (GOPSILL, BROWN, & Co.), Docks, Gloucester.—*Salt.*

EARP & Co., Ellesmere Works, Runcorn, Cheshire, P & G S Runcorn, 1 m.; Lon. Agt., N. H. ARMSTRONG, 7 Fenchurch Street E.C.—*Pure Sulphuric, Nitric, and Hydrochloric Acids, Liquor and Nitrate Ammonia, Nitrate of Lead, Glauber Salts. Nitrate and Chloride of Barium.*

EDEN, JONES & Co., Temple Back, Bristol—*Oil of Vitriol.*

ELLIS, JOHN, Wortley Lane, Leeds—*Ammonia and Aquafortis.*

ELLIS, JOSEPH & SONS, Sparkenhoe Works, Leicester, P & T S Desford, ¼ m., G Rail into Works—*Superphosphate and Chemical Manures.*

ELSWORTH, JOHN & SONS, Church Street, Sculcoates, Hull—*Creosote, Naphtha, Benzole, Benzine, Anthracene, Pitch.*

EMMETT, JAS. & Co., Cankerwell Lane, Leeds—*Indigo Extract, Orchil, &c.* See Advt. p. 13.

FARMER, JAMES, Gorton Brook Chem. Works, West Gorton, nr. Manchester, P S Ashbury, by Works, T Hyde Road, Manchester, G S Longsight, L & N W, ¾ m.—*Sulphuric, Nitric, Muriatic Acids, Caustic Liquor, Sulphate of Soda, Sulphate of Copper, Bleaching Liquor and Dyers' and Printers' Solutions.*

FARMERS' MANURE COMPANY LIMITED, Royston, Cambridgeshire, W. T. NASH, Manager. P & G S Royston, ¼ m.—*Chemical Manure.*

FARROW, JOSEPH, Bungay, Suffolk—*Tar and Turpentine.*

FIELDING & HIGGINBOTTOM, New Mills, near Stockport, Derbyshire, P & G S, L & N W and Mid, ¼ m., T New Mills—*Dyers' and Printers' Solutions, Acetic Acid, Wood Tar & Charcoal, &c.*

FISHER, EDWARD & Co., Beverley, Yorkshire, P T & G S Beverley 1 m.—*Sulphuric Acid and Superphosphates.*

FISHER, JESSE & SON, Phœnix Cheml. Wks., Madeley Hill, Ironbridge, Salop, P & G S Madeley Market, 1 m., T Ironbridge—*Tetrachloride and Bisulphide of Carbon, Chloride of Sulphur.* See Advt. p. 12.

FISON, JAS. & SONS, Chem. Works, Thetford, Norfolk—*Oil of Vitriol, Sulphate of Ammonia, Coprolites, Superphosphate of Lime, Chemical Manures.*

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FISON, JOSEPH & Co., Eastern Union Cheml. Works, Bramford, nr. Ipswich, Suffolk, P S Bramford, T Ipswich, G S, G E to Works—*Sulphuric Acid and Chemical Manures.*

FLETCHER, ROBERT & SON, Farnworth Chemical Works, Worsley Road, near Bolton, Lancashire—*Sulphuric Acid.*

FLETCHER, JOHN & Co., Broadfield Chemical Works, Heywood, Manchester, P S Broadfield, ¼ m., G S Heywood, 1 m.—*Soda Crystals, Sulphate of Soda, Oils, Grease, and Phosphate of Lime.*

FORRESTER, THOMAS, Crosse Hall Mills, Chorley, Lancashire, P & T S Chorley, ¾ m., G Chorley, and Leeds and Liv. Canal at Works—*Tin Crystals, Tin, Copper, and Iron Solutions, &c.* See Advt. page 7.

FOSTER, BENJAMIN & SON, 83, Skinner Lane, Leeds—*Prussiate of Potash.*

GALEN CHEMICAL COMPANY, Ettingshall, near Wolverhampton, Staffordshire—*Ammonia Liquor and Salts and Sulphuric Acid, Sulphide of Sodium, Red Antimony, and Chemicals for Rubber Manufacturers.*

GAMBLE, Jos. C. & SON, Gerard's Bridge Chemical Works, St. Helens, Lancashire, P S Gerard's Bridge, 300 yds., T St. Helens, ¾ m. G Own Siding—*Bleaching Powder, Chlorate of Potash, Soda, & Baryta, Soda Ash, & Caustic Soda.* See advt. p. 5.

GARDINER, ANDREW, Seaham Street, Newcastle-on-Tyne—*Liquid Ammonia.*

GARSIDE & Co., Hermes, Works, Boldan, Widnes, Lanc.—*Salts of Nickel, Chloride Barium. Nitrate Baryta.*

GASKELL, DEACON & Co., Widnes, Lancashire, P S Widnes, G Own Siding—*Refined Alkali, Soda Ash, Caustic Soda Cream and White, Soda Crystals & Bicarbonate, Bleaching Powder, Chloride of Calcium.*—See Advt. p. 3.

GIBBS, JAMES, Cattedown, Plymouth, P S North Road, 2 m., T Plymouth, G Sutton Harbour, 1 m.—*Sulphuric Acid, Sulphate of Ammonia, Naphtha, Creosote, Anthracene, Pitch.*

Do. Avon Street, St. Phillips, Bristol—*Oil of Vitriol.*

Do. Cheml. Works, Cwmbraw, near Pontypool, S. Wales—*Oil of Vitriol.*

GLOBE ALKALI COMPANY, LIMITED, St. Helens, Lancashire, P T & G S St. Helens, ¾ m.—*Salt Cake, Bleaching Powder.*

GLOVER, JOSEPH, Lathom, Ormskirk, Lancashire, P T & G S Burscough, 1 m.—*Red & Iron Liquor, Wood Charcoal, Naphtha, Tar, Acetate of Lime, Pyroligneous Acid.*

GOADSBY & Co., Newton Heath, Manchester; London, 2, Swan Yard, Bishopsgate Street—*Chromes, Pulp Blues.*

GOLDING, DAVIS & Co., LIMITED, Marsh Alkali Works, Widnes, Lancashire, P T & G S ¼ m—*Salt Cake, Caustic Soda, Bleaching Powder.*

GOOLE ALUM AND SMELTING COMPANY, LIMITED, Goole, Yorkshire—*Alum.*

GOOLE, MARSHLAND & HOWDENSHIRE PURE TILLAGE COMPANY, LIMITED, Goole, Yorkshire, EWD. HUNTER, Sec. and Genl. Manager. P & G S, N E & L & Y, each ¾ m.—*Sulphuric Acid, Sulphate of Ammonia, Superphosphate, and Chemical Manures.*

GOSSAGE, WILLIAM & SONS, Widnes, Lancashire, P & T S Widnes ¼ m. G Own Siding; Lon. Agts., COSTE & Co., 20, Water Lane, E.C.—*Soda Crystals, Silicates of Soda, and Potash.*

GRAHAM, WILLIAM, Farnworth, Bolton—*Oil of Vitriol.*

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GREEN, GEORGE A & Co., Herbert Street, Portsmouth—*Creosote and Tar Products, Wood and Mineral.*

GREENBANK ALKALI WORKS COMPANY, LIMITED, Greenbank Works, St. Helens, Lancashire, P & T S St. Helens, ½ m. G Own Siding—*Caustic Soda, Caustic Potash, Chlorate of Potash, Refined Pearlash.*

GREENWOOD, S., Attercliffe Bridge Works, Sheffield—*Naphtha.*

GREGSON, ROBERT, Aspull Works, near Wigan, Lancashire—*Copperas and Caustic Soda.*

GRIFFIN, MORRIS & GRIFFIN, Ceres Chemical Works, Wolverhampton—*Chemical Manures.*

GUNTON, SAMUEL, 6, Regent Road, Great Yarmouth, P & G Yarmouth G E—*Sulphate of Ammonia, Naphtha, Creosote, Anthracene, Pitch.*

HAAS, JULIUS ROBERT & Co., Neville Street, Leeds—*Refined Indigo, Extract and Soluble Indigo.*

HADFIELD, GEORGE & Co, Lightbody Street, Liverpool—*Chemical Manures, Oil of Vitriol, &c.*

HADFIELD, THOMAS, Pumpfields, Vauxhall Road, Liverpool—*Acetic Acid, Bone and Wood Charcoals, Acetate Lime, Naphtha, Sulphate Ammonia, Bone Manures, &c.*

HADLAND & Co., Dan Y Craig Works, Swansea, P T & G S Swansea—*Arsenic, Oxalic Acid.*

HALL BROTHERS & SHAW, West Bank Cheml. Works, Widnes, Lancashire, P T & G S Widnes, ¾m.—*Salt Cake, Bleaching Powder.*

HALL, A. W. & Co., 41, Above Bar, and Cheml. Wks., Redbridge, near Southampton, Hants, P & G S Redbridge, 100 yards—*Aluminous Cake, Sulphate of Alumina, Sulphate and Liquor Ammonia, Sulphuric Acid, Chemical Manures, Naphtha, Creosote, Benzole, Toluol, Anthracene.*

HARDSHAW BROOK CHEMICAL COMPANY, St. Helen's, Lancashire—*Alkali, Salt Cake, and Chlorate of Potash.*

HARRIS PHILIP, & Co., Bull Ring, Birmingham, P S New St. ⅛ m, T Birm., G Curzon St. ½ m.—*Pure Muriatic, Nitric & Sulphuric Acids, Hydrocyanic and Fluoric Acids, Pharmaceutical & Photographic Chemicals.*

HARRIES, DAVID, Lydney, Gloucestershire—*Acetate of Lime.*

HARTLEY, JOSEPH, West Gorton, near Manchester—*Bisulphide of Carbon.*

HARVEY, WILLIAM, Exors. of, Cattedown, near Plymouth, P S North Road, G W and L & S W, T Plymouth, G S Sutton Harbour G W ¼ m.—*Tar Distiller, Naphtha, Benzole, Carbolic Acid, Creosote, Anthracene, Pitch, Ammonia Sulphate and Liquor.*

HAY-GORDON & Co., Widnes, Lancashire—*Salt Cake, Bleaching Powder.*

HAYS, THOMAS & Co., 16, Wharncliffe St., Newcastle-on-Tyne, and Team Valley C. Works, Gateshead, Durham—*Chemical Manures.*

HAZLEHURST & SON, Camden Chemical Works, Runcorn—*Soda Ash & Sulphate of Soda.*

HEMINGWAY, S. & Co., Bradford, Yorkshire—*Bleaching Powder.*

HENRY, THOS. & WM., 11, East Street, Manchester—*Sulphate of Potash.*

HEWORTH ALKALI COMPANY (CHARLES WILLIAM CHIPCHASE HENDERSON), 22, Grey St., Newcastle-on-Tyne; Works at Heworth, Durham, P & G S Felling, 2 m., T Grey St.— *Soda Ash and Crystals, & Refined Alkalies.*

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HICKLING & Co., Banbury Street, Birmingham—*Glassmakers' Refined Ashes, Salts of Tartar, Lac Sulphur, &c.*

HIGGIN, LLOYD & Co., 22, Little Peter Street, Manchester; and Crooke Works, Wigan—*Dyers' and Calico Printers' Solutions.*

HILLS BROS. & Co., Tower Works, Nechells, Birmingham, Staffordshire, P S Aston ½ m., T Aston Cross, G Mid. & L & N W 2 m.—*Nitric, Nitrous, Sulphuric, and Muriatic Acids, Dyers' Solutions, &c.*

HILLS, EDWIN, Tichfield, Hants—*Chemical Manures.*

HILLS, W. A., Chester Chemical Works, Saltney, Chester, P T & G S Saltney—*Sulphuric Acid White, Brown, and Pure Sulphate of Zinc.*

HIRST, BROOKE & HIRST, Airedale Chem. Wks., Bishopsgate St., Leeds—*Wood Naphtha, Acetic Acid, Charcoal, Pyroligneate of Iron, Orchil.*

HODGES, JAMES, Windmill Street, Manchester—*Indigo Extracts.*

HODGSON BROTHERS & HODGSON, Office, Clothmarket, Newcastle-on-Tyne. North of Eng. Chem. Wks.—*Superphosphate & Chemical Manures.*

HOHENHAUSEN & Co., Boarshaw Chemical Works, Middleton, near Manchester, Lancashire—*Aniline Oil, Hydrochlorate of Aniline for Calico Printing, Arseniate of Soda, Alizarine, &c.*

HOLBROOK, REUBEN, Newport, Isle of Wight—*Salt.*

HOLLIDAY, READ & SONS, Turnbridge Chem. Wks., Huddersfield, Yorkshire, P T & G S Huddersfield, ½ m.; Lon. Agt., ALFRED WOODROOFF, 54, Crutched Friars, E.C.—*Aniline Dyes & Colours, Naphtha, Alizarine, Benzole, Coal Tar Products, Indigo.*

HOLLIDAY, READ & SONS, Calder Vale Chemical Works, Wakefield, Yorkshire, P T & G S Wakefield, ½ m.—*Aniline Dyes and Colours.*

HOLLOWAY, H. R., Belle Vue Chemical Works, Park Road, Southampton, —*Refined, Prepared, Precipitated, and Camphorated Chalks.*

HOLT, CHARLES, Albion Chem. Works, Cleckheaton, Yorkshire, P T & G S Cleckheaton, ½ m—*Ammonia, Glauber Salts, and Printers' Solutions*

HORROCKS, JAMES, Daubhill Chemical Works, Bolton, Lancashire, P S Daubhill, ½ m., G S Bolton—*Naphtha, Benzole, Anthracene, Carbolic Acid.*

HOWARTH, J., Brookside Mill, Church, Accrington, Lan.—*Indigo Extracts, &c.*

HOYLE, ROBSON & Co., Close, Newcastle—*Tar and Turpentine.*

HOYLE, RICHARD, 11, Queen Street, Newcastle-on-Tyne—*Turpentine and Coal Tar Products, Lamp Black, &c.*

HUGGON & COMPANY, Pontefract Lane, Leeds—*Dyers' Solutions, Collodion, &c.*

HUNT & SONS, Lea Brook Chemical Works, Wednesbury—*Soda, Caustic and Bicarbonate Soda, Chlorate Potash, Phosphorus.*

HUNT BROS. & Co., Aire and Calder Chemical Works, Castleford, Normanton, Yorkshire, P & G S Castleford ½ m.—*Soda Ash and Crystals, Sulphate of Soda, Sulphuric & Muriatic Acid, Chloride of Lime.*

HUNT & JENNINGS, Spalding, Lincolnshire—*Chemical Manures.*

HUNTER & Co., Newcastle-on-Tyne—*Green Copperas.*

HUTCHINSON, JOHN & Co., Nos. 1 & 2, Alkali Works, Widnes, Lancashire, P & G S Widnes—*Salt Cake, Soda Ash, Refined Ash, Soda Crystals, Bicarbonate of Soda, Caustic Soda, Bleaching Powder, & Recovered Sulphur.*

IMEARY, R., Heworth Works, Lower Heworth, Gateshead—*Alkali, Soda Ash, Crystals, and Bleaching Powder.*

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ISHERWOOD, J. & E., Stoneclough, Kearsley, Manchester—*Tar & Turpentine.*

JACKSON, JAS. & THOS., Waterside, Halifax—*Nitric, Hydrochloric, and Sulphuric Acids, Ammonia, Soda Crystals, &c.*

JACKSON, THOS., Clayton, near Manchester, P S Manchester 2 m., T Bradford, G S Beswick, L & Y R, ¼ m.—*Sulphuric, Nitric, Muriatic and Acetic Acids, Dyers' and Printers' Solutions, Liquid Caustic Soda.*

JACKSON, THOMAS HARDY, Springfield Chemical Works, Hightown, *viâ* Normanton, Yorkshire—*Dyers' Spirits, Tin Solutions, Ammonia, Soda Ash, Crystals, &c.*

JARROW CHEMICAL COMPANY, Jarrow Chemical Works, South Shields; Durham, P S High Shields, ½ m.; T South Shields, G Siding to Works.

Do. Do. Friars Goose Works, Gateshead; Durham, P S Felling, 1 m.; T South Shields, or Newcastle, G Hillgate; London Agts., C. TENNANT, SONS & Co., 9, Mincing Lane, E.C.—*Refined and Pure Alkali, Caustic Soda, Soda Ash, Crystals, and Bicarbonate.*

JENNINGS, C. D. & Co., Bone Mill, Spalding, Lincolnshire, & P G S Spalding, 1½ m.—*Superphosphate of Lime and other Manures.*

JOHNSON & DARLING, Rivermouth Chemical Works, Berwick-on-Tweed—*Aluminous Cake and Sulphate of Alumina.*

JOHNSON, THOS., Blackshaw Beck Chem. Wks., Shelf, near Halifax, P & G S Low Moor, 2¼ m.—*Nitric, Sulphuric, and Muriatic Acids, Ammonia, Soda, Soda Ash, Dyers' Solutions, Coal Tar Products.*

JONES, JOHN & Co., Mayhill, Usk, Monmouthshire—*White Grey & Brown Sugar of Lead, Acetates of Soda & Lime, Solvent & Miscible Naphtha.*

JONES, WM. & Co., Middlesborough, Yorkshire, P S Middlesborough, G S Siding to Works. Lon. Agt., H. J GIBSON, 9, Mincing Lane—*Carbonate Potash, Epsom Salts, Oxalic, Sulphuric and Muriatic Acids, Sulphate Potash, Sulphate of Soda, Sulphide Barium.*

JORDAN, GEORGE, Great Howard Street, Liverpool—*Chemical Manures.*

JOULE, JAMES, Middlewich, Cheshire—*Salt.*

JUDSON & SONS, Liverpool Street, Birmingham—*Oil Vitriol.*

KAYE, ANTHONY KNOWLES, Moldgreen Cheml. Works, Huddersfield, P & G S Huddersfield, 1 m.—*Nitric and Muriatic Acids, Extracts of Indigo, Dyers' Spirits, Ammonia, &c.*

KELLY, R. R., Chemical Works, Swansea; London, 59, Mark Lane, E.C.—*Sulphate of Ammonia.*

KEMPSON & HOWELL, Pye Bridge, near Alfreton, Derbyshire, P & G S S Pye Bridge M R, Pye Hill, G N, each ¼ m.; T Pye Bridge, G own Siding Mid R—*Sulphate and Liquid Ammonia, Naphtha, Anthracene, Pitch, Creosote, Carbolic Acid, Nitrate of Iron.*

KENDALL, FREDERICK, Chemical Works, Stratford-on-Avon, Warwickshire—*Bisulphite of Lime.*

KENYON, THOS., Jun., Albion Wks, Miles Platting, Manchester—*Acetic Acid.*

KILNER, THOS. & Co., Totley, Derbyshire (near Sheffield)—*Acetate of Lime, Grey and White; Iron Liquor, Charcoal, Naphtha, &c.*

KING, E., & Co., Redbank, Manchester—*Acetic Acid.*

KURTZ, ANDREW GEORGE, Sutton Alkali Works, St. Helens, Lancashire,

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P S St. Helens, ¼ m.; G own Siding—*Soda Ash, Caustic, Crystals and Bicarbonate, and Chlorate of Potash, Bleaching Powder.*

KURTZ, CHARLES & SONS, 33, Carruthers Street, Vauxhall Road, Liverpool, T Liverpool—*Salts of Ammonia and Coal Tar Products.*

LANGDALE'S CHEMICAL MANURE COMPANY, LIMITED; St. Lawrence, Newcastle-on-Tyne, P & G S St. Peters; Lon. Agt., THOS. B. GIBBS, Dunster House, Mark Lane, E.C.—*Sulphuric and Muriatic Acids, Sulphate of Soda, and Chemical Manures.*

LAWRIE, WM. & Co., Caister Rd., Yarmouth—*Naphtha, Tar, & Turpentine.*

LAWSON, J. C., 38, Quay Side, Newcastle-on-Tyne—*Copperas.*

LAY, H. N., Okel Tor Works, Calstock, Tavistock, Devon, P & G S Tavistock, 6 m.—*Arsenic Powdered and Lump, Copper Precipitate.*

LEATHER, GEORGE HENRY, Bradford, Yorkshire—*Oil Vitriol.*

LEVINSTEIN, J. & Co., 21, Minshull Street, Manchester; Blackley Chemical Works, Manchester, P & G S Crumpsall—*Aniline Dyes.*

LEWIS, JAMES & Co., Eccleston Works, St. Helens, Lancashire—*Alkali.*

LEWIS, G. LEWIS, Pontardawe Cheml. Wks., nr. Swansea, Glamorganshire, P T & G S Pontardawe, ¼ m.—*Sulphuric and Acetic Acids, Acetates of Soda and Lime, Naphtha, Wood Charcoal & Tar.*

LEWIS, B. & Co., Chemical Works, Carmarthen—*Gunpowder and other Charcoals, Brown Acetate of Lime and Lead, Miscible and Solvent Naphtha, &c.*

LEWIS, B., Maisycwmmer Chemical Works, viâ Cardiff, Monmouthshire; G S Rhymney Junction—*Charcoals, Naphthas, Acetate of Lime, &c.*

LEWIS, B., Brechfa Chem. Works, Carmarthen, P & G S Nantgaredig.—*Charcoal, Brown Acetate of Lime, Miscible and Solvent Naphthas.*

LINDSEY & KESTEVEN CHEMICAL MANURE CO., LIMITED, Saxilby, Lincolnshire.—*Sulphuric Acid, Chemical Manures.*

LIVERPOOL ALKALI WORKS COMPANY, LIMITED, Lightbody Street, Liverpool—*Alkalies.*

LIVERPOOL, CHESHIRE, AND NORTH WALES PATENT MANURE COMPANY; Vittoria Wharf Docks, Birkenhead, Cheshire—*Chemical Manures, Phosphate Lime, Sulphate Ammonia, Nitrate Soda, &c.*

LOCKWOOD, H., Bradford, Manchester—*Creosote.*

LOCKWOOD AND LEITH, Boundary Road Chemical Works, St. Helen's, Lancashire, P & T S St. Helen's, 1 m.; G own Siding.—*White and Cream Caustic Soda, Soda Ash.*

LOCKYER, GEORGE & SONS, Temple Back, and Marsh, St. Philip's, Bristol; London, 21, Mincing Lane—*Animal Charcoal, Ivory Black, Sulphate Ammonia, Chemical Manures.*

LONGSHAW, WM. & SONS, Sankey Bridge Chemical Works, Warrington, P S Sankey Bridge, ¼ m.; G S, L & N W, 1 m.—*Carbolic Acids, Aurine, Picric Acid, Aniline Dyes.*

LOWE, CHARLES & Co., Reddish Chemical Works, near Stockport, P & G S Reddish, L & N W, ¼ m., 43, Piccadilly, Manchester—*Carbolic Acid and Disinfectants, Benzole, Picric Acid, Aurine, Anthracene, and Coal Tar Products.*—See Advertisement, page 9.

LUNN, C. & Co., Woodsome Lees, Birkburton, near Huddersfield; P T & G S Birkburton, L & N W, ¼ m.—*Ammonia, Muriatic and Nitric*

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Acids, Sulphate of Soda, Nitrate Sulphate and Chloride of Copper, Acetate, Nitrate & Muriate of Iron, Tin Crystals, & Dyers' Spirits.

LYCELT, WILLIAM, Wheelock Old Works, Sandbach, Cheshire—*Salt.*

LYON & SONS, Old Quay Alkali Works, Runcorn, Cheshire, P T & G S *Cream and White Caustic Soda, Caustic and Carbonated Soda Ash.*

MACCLESFIELD PATENT SULPHATE OF COPPER COMPANY, The Moss, Sutton, Macclesfield, P T & G S Macclesfield, 2 m.; Lon. Agt., C. CHRISTOPHERSON, 17, Gt. Tower Street, E.C.—*Sulphate of Copper.*

MAJOR, JOHN CLARKSON, Monmore Green, Wolverhampton, P S Monmore Green, L & N W R; G Wolverhampton, 1½ m.—*Tar Products, Carbolic Acid, Sulphate Ammonia, Anthracene, Asphalte, Benzole, and Toluol, Creosote, Naphtha, Pitch & Tar.*—See Advertisement, page 8.

MANSERGH, THOMAS, Wheathill Street, Manchester—*Acetic Acid.*

MARRIOTT, WILLIAM, Leeds Road Chemical Works, Huddersfield, Yorkshire, P & G S, 1 m.—*Bisulphite of Lime, Bisulphite of Soda, Hydrated Oxide of Iron, Sulphate of Ammonia, and Manures.*

MARSHALL, JOHN, SON & Co., Providence Works, Cudbear Street, Hunslet, Leeds—*Carmine, Cudbear, Indigo Extracts, and Orchil.*

MATHER, J. & Co., Clayton Chemical Works, near Manchester—*Naphtha, Creosote, Ammonia.*

MATHIESON, N. & Co., Widnes, Lancashire, P T & G S Widnes, ¼ m.; —*Sulphuric and Muriatic Acids, Sulphate Soda, and Bleaching Powder, Copper Precipitate.*

MCBRYDE, JAMES & Co., LIMITED, Union Chemical Works, St. Helens, Lancashire, P T & G S St. Helens, ¼ m.—*Sulphuric Acid, Salt Cake, White Caustic Soda* 60 & 70 %, *and Bleaching Powder.* See Advt., p. 9.

MEADOWS & SON, Rainhill, Prescot, Lancashire, P T & G S Rainhill—*Ammonia, Sulphate & Liquid Anthracene, Carbolic Acid, Naphtha, Creosote, Pitch, Tar Products.*

MEGGIT, SAMUEL & SON, Effingham Road, Sheffield—*Chemical Manures.*

MELINCRYTHAN COMPANY, Melincrythan Cheml. Works, Neath, Glamorganshire, P T & G S Neath, ¼ m.—*Sugar of Lead, Acetate of Lime, Acetic Acid, Naphtha, Charcoal, Oil of Vitriol, and Pure Methyl.*

MELLOR & PICKLES, Ardwick Cheml. Works, Manchester, P S Fairfield, ¼ m., G Longsight, 2 m.—*Yellow Prussiate of Potash.*

MERSEY CHEMICAL COMPANY, Widnes, Warrington.

METCALF, THOMAS & Co., Miles Platting C. Wks. Manchester, P S Miles P. ¼ m., T Manchester, G S Oldham Road, 1 m.—*Anthracene, Benzole, Naphtha, Pitch, Carbolic Acid, Creosote, Sulphuric and Nitric Acids, Sulphate and Liquor Ammonia, Annatto, Dyers' Solutions.*

METCALF, WILLIAM, Church, Accrington, Lancashire, and Attercliffe, Sheffield—*Ammonia, Benzole, Naphtha, Carbolic Acid, &c.*

MILNES, EDMUND DIXON & BROS., Lumn Mill, Bury, Lancashire, P T & G Bury—*Garancine, Madders, Dyes, &c.*

MORGANS & COMPANY, Whitecroft Chemical Works, Lydney, Gloucestershire—*Distillations of Wood Charcoal, Miscible Naphtha, Tar, Pitch, Acetate of Lime, and Soda.*

MORRIS BROTHERS, Stockwith, Gainsborough (Nottingham)—*Sulphuric Acid, Sulphate of Ammonia, and Manures.*

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MORRIS, DAVID, & SON, Risca Chemical Works, Newport, Monmouth, P T & G S Risca ¼ m.— *Acetate of Lime, Solvent and Miscible Naphtha, Oil of Vitriol, Gunpowder and other Charcoals, and Wood Pitch.*

MORRIS, WILLIAM & SON, Pontamman Chemical Works, near Llanelly, Carmarthenshire, S. Wales, P T & G S Cross Inn, 1 m. Lon. Agts., LISTER & BIGGS, 3, Lawrence Pountney Hill, E.C.—*Charcoals, Solvent Naphtha, Pitch, Acetate of Soda, White and Grey Sugar of Lead, Refined Acetic Acid, Sulphuric Acid.*

MORRIS & GRIFFIN, Ceres Chemical Works, Wolverhampton, P S Wolverhampton, ¾ m.; G Siding to Works—*Sulphuric Acid, Patent Ammonia, Superphosphates, and Manures.*

MORRISON, WALTER & Co., Forth Bank, Newcastle-on-Tyne, P S Central Stn., ¼ m. G Forth, ⅛ m.—*Superphosphate of Lime & Bone Manures.*

MORROW, TIMOTHY, Lark Hill Chemical Works, Farnworth, near Bolton, Lancashire, P T & S Farnworth, ¼ m; G S Moses-gate, 1 m.—*Cream & White Caustic Soda* 60 *&* 70%, *Caustic Soda Liquor, Glauber Salts.*

MORT, LIDDELL & Co., Viaduct Alkali Works, Widnes, Lancashire, P S Widnes, ¼ m.; G Own Siding—*Caustic and Carbonated Soda, Soda Ash* 48 *to* 58%.

MURPHY, J., Freemason Row, Liverpool—*Oil of Vitriol.*

MURRAY, A. B. & Co., Tees Mill, Stockton—*Chemical Manures.*

MURRAY BROTHERS, Swallwell, Gateshead, Durham—*Naphtha.*

MURRELL, WILLIAM & SON, East Dereham, Norfolk—*Chemical Manures.*

MUCKLOW, EDW., Elton Fold Chem. Wks., Bury, Lancashire, P T & G S Bury ¾ m.—*Dyers' Solutions.*

MUSPRATT BROTHERS & HUNTLEY, Office, 31, Dale St., Liverpool; Works, Flint, North Wales, P & G S Flint, ¼ m.—*Soda Ash, Crystals, Caustic and Bicarbonate, Sulphate of Soda, and Bleaching Powder.*

MUSPRATT, JAMES & SONS, Office, 31, Dale Street, Liverpool; Vauxhall Road Works, Liverpool, P & G S Sandhills, ¼ m. Woodend Works, Widnes, Lancashire, P & G S Widnes, ¼ m.—*Caustic & Carbonated Soda Ash, Caustic Soda Cream* 60%, *White* 60 *&* 70%, *Sulphate of Soda, Bleaching Powder, Chlorates of Potash, Soda & Baryta, Muriatic Acid, Sulphuric Acid Brown and White; Brimstone.*

NAYLOR, THOMAS, Accommodation Road, Hunslet, Leeds—*Ammonia.*

NETHAM CHEMICAL COMPANY, LIMITED, Bristol, P T & G S Bristol, 1 m.; Lon. Agts., C. TENNANT, SONS & Co., 9, Mincing Lane—*Sulphuric and Muriatic Acids, Spirits of Salts, Alkali, Soda, Sulphate, Ash, and Crystals, Muriate of Ammonia, Caustic Soda, Sal Ammoniac, Chloride of Calcium, Bleaching Powder, Sulphur.*

NEWCASTLE CHEMICAL WORKS COMPANY, LIMITED, 102, Quayside, Newcastle-on-Tyne, and Tyne Chemical Works, Gateshead, P S Newcastle, 2 m.; G Siding to Works; Lon. Agts., KNIGHT, HILL & Co., 18, Billiter Street, E.C.—*Soda Crystals, Soda Ash Carbonated, Refined Alkali, Sulphate of Soda, and Bleaching Powder.*

NEWHAM & Co., Castle Hill, Sheffield.—*Fluoric & Sulphurous Acids, Potassium Cyanide, Nickel Salts.*

NICHOLLS, JOHN, St. Austell, Cornwall, P & G S St. Austell, 1 m.—*Naphtha, Acetate of Lime, Charcoal.*

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NICHOLSON, JOHN, & SONS, Church Street Chemical Works, Hunslet, near Leeds, P T & G S Hunslet, ¼ m.—*Ammonia Liquid, Dyers' Spirits and Solutions, Sulphuric, Muriatic, and Nitric Acids.*

NIXON & Co., West Jarrow Chem. Works, Jarrow-on-Tyne, P T & G S Hebburn ¼ m.—*Vitriol and Soda Ash.*

NOBLE & Co., Needham Market, Suffolk—*Chemical Manures.*

NORRINGTON, HINGSTON & Co., St. George's, Bristol, P T & G S Bristol—*Sulphate Ammonia, Sulphuric Acid, Chemical Manures.*

NORRIS, WILLIAM JOHN & BROTHER, Calder Chemical Works, Sowerby Bridge, Yorkshire, P T & G S Sowerby Bridge 1 m.—*Bichromate of Potash, Cudbear, Orchil, Extract of Indigo, Sulphate of Alumina.*

OGDEN, JOHN MAUDE, Office, 49, West Sunnyside, and Deptford Chem. Wks., Sunderland, Durham, P T & G S Sunderland ⅛ m.; G Pallion Siding to Works—*Acetate of Soda, Acetic Acid, Copperas.*

OGILVIE & SON, Salt Works, North Shields, Northumberland—*Salt.*

ORMEROD, JAMES & Co., York Road, Leeds, P & G S Leeds, 1 m.—*Sulphuric, Nitric, and Muriatic Acids, Tin and Iron Solutions, Ammonia, Sulphate of Soda, &c.*

PACKARD, EDW. & Co., Princes St., Ipswich, Suffolk; P & G S Bramford, Lon. 155, Fenchurch St., E.C.—*Sulphuric Acid, Superphosphates, Chemical Manures.*

PASHLEY, ALEX. WM., Waveney Valley Chemical Works, Haddiscoe, viâ Lowestoft, P S Haddiscoe, ¼ m.; G Siding to Works—*Sulphate Ammonia, Sulphuric Acid, Superphosphate Lime, and Chemical Manure.*

PATTINSON, H. L. & Co., Office, 27, Grey Street, Newcastle-on-Tyne, and Felling Chemical Works, Durham, P & G S Felling ¼ m.—*Bleaching Powder, Alkali, Soda Ash, Crystals, and Bicarbonate.*

PEAK, JOHN, Bridgewater Chemical Works, Pemberton, Wigan, Lancashire, P & G S Wigan, 1 m.—*Chemical Manures.*

PEARSON, JOHN THOMAS, Kirkings Wharf, Leeds—*Superphosphate of Lime, Nitro-Phosphate, and Chemical Manures, &c.*

PERKS, WILLIAM & Co., St. Nicholas Street, Worcester—*Aniline Dyes.*

PERKS & LLEWELLYN, Hitchin, Herts—*Lavender Distillers.*

PEYTON & SON, Lister Street, Birmingham—*Sulphuric Acid, Aquafortis, Sulphate of Copper, Refined Saltpetre.*

PILKINGTON, WM. & SON, Mersey Chemical Wks, Widnes, Lancashire, P & G S Widnes, 1 m.—*Sulphate of Soda, Caustic Soda Cream and White, Bleaching Powder.*—See Advertisement, page 2.

PINKEY, JOHN, Cressage, near Shrewsbury, Shropshire—*Chemical Manures.*

PLUMBE, WILLIAM A., Sherwood Chemical Works, Mansfield, Notts, P S Mansfield, 1¼ m, G Berry Hill.—*Sulphate of Ammonia, Benzole, Naphthas, Creosote, Anthracene, Carbolic Acid and Tar Products.*

POCHIN, H. D. & Co., Quay Street, Salford, Manchester, P S Victoria 1 m.; G S New Bailey Street ¼ m.—*Aluminous Cake, Sulphate of Alumina, Arseniate and Binarseniate of Soda, Red and Iron Liquor, Dyers' Solution, Vitriol, &c.*

PONTITHEL CHEMICAL COMPANY, Three Cocks Junction, Breconshire, P T & G S Three Cocks Junction, ¼ m.—*Gunpowder and other Charcoals, Pyroligneous Acid, Brown Acetate of Lime, Miscible and Solvent Naphtha, Pitch, Tar, &c.*

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PONTITHEL CHEMICAL COMPANY, Credenhill Chemical Works, Kenchester, Herefordshire, P & G S Credenhill, ¼ m.—*Same Products.*

PONTRILAS CHEMICAL COMPANY, RICH. POWELL REES, Prop., Pontrilas, near Hereford, P T & G S Pontrilas ⅛ m. Lon. Agts., LISTER & BIGGS, 8, Lawrence Pountney Hill, E.C.—*Acetate of Lime, Naphtha, Charcoal, Tar, Pitch.*

POTTER, EDMUND P. & Co., Hall Chem. Works, Little Lever, Lancashire.—*Refined Soda Ash, Bleaching Liquor, Vitriol, Salt Cake, Spirits of Salts.*

PRANGLEY & Co., Avon Chemical Works, Marsh, St. Philip's, Bristol—*Sulphate Ammonia, Chemical Manures.*

PRENTICE BROTHERS, Great Eastern Chemical Works, Stowmarket, Suffolk—*Sulphuric and Nitric Acid, Coprolites, Superphosphate, and Chemical Manures.*

PRITCHARD, JOHN D., Crymlyn Burrows, near Swansea—*Oxalic Acid and Sal Acetoscella.*

PROCTOR, H. & T., Cathay, Bristol, P & G S Bristol.—*Chemical Manures.*

PROCTOR & RYLAND, Lister-street Chemical Works Birmingham, and Saltney, near Chester—*Bone Manures.*

RAWLINS & SON, Brook Works, Rainhill, Prescot, Lan., P & G S Lea Green, ¼ m.—*Ultramarine and Smalts.* See Advt. p. 10.

READE BROTHERS, Monmore Green, Wolverhampton—*Bisulphite of Lime.*

REEVE, SAMUEL, Rawfold's Chemical Works, Cleckheaton, viâ Normanton, Yorkshire, P T & G S Cleckheaton—*Muriatic & Nitric Acids, Nitrate of Iron, Muriate of Tin, Dyers' Spirits, Liquor Ammonia, Copperas, &c.*

RENNER, J. R. & Co., 35, South John Street, Liverpool; Works, Bootle, Lancashire—*Superphosphate and other Chemical Manures.*

RENSHAW, JAMES & SON, Westbank Works, Openshaw, Manchester—*Acetic Acid.*

RICHARDSON, JAMES & Co., Nether Mills, Leeds—*Refined Indigo, Indigo Extracts, &c.*

RICHARDSON, JOHN GEO. & WM. HENRY, Curlew Chem. Works, Jarrow-on-Tyne, Durham, P T & G S Jarrow, N E R 1 m.—*Sulphuric Acid, Sulphate of Soda, Soda Ash and Bleaching Powder.*

RILEY, JOHN, Hapton Chemical Works, near Accrington, Lancashire—*Sulphuric, Hydrochloric, and Nitric Acids, Bleaching Powder, Soda Ash, Caustic Soda, Arseniate & Stannate of Soda, Tin Solutions.*

ROBERTS, THOMAS & SON, Juniper St., Bankhall, Liverpool, P S Sandhills, ¼ m.—*Flowers of Sulphur, Roll & Rock Sulphur, Refined Saltpetre, &c.*

ROBERTS, DALE & Co., Mersey Bank Chemical Works, Warrington, Lancashire, P & G S Arpley 300 yds., T Warrington—*Oxalic Acid, Caustic Soda, Sulphate of Soda.*

Do. Do. Latchford Colour Works, Warrington; P & G S Arpley, ¼ m.; T Warrington—*Aniline Colours.*

Do. Do. Cornbrook, Works, Hulme, Manchester, P S Knott Mill, G Liverpool Road—*Aniline Dyes.*

ROBINSON BROTHERS, Ryder's Green, West Bromwich, Staffordshire, P S Albion ¾ m, T West Bromwich, G Swan Village ¼ m.—*Naphtha, Anthracene, Benzole, Carbolic Acid, Creosote, Pitch, & Tar.*

Do. Do. Tar Works, Knottingley, Yorkshire.—*Same products.*

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ROBINSON, THOMAS CUSWORTH, South Milford, Yorkshire—*Epsom Salts.*

ROBINSON, JAMES & Co., Hillhouse Road, Huddersfield, P T & G S Huddersfield, ¼ m.—*Orchil Liquid and Paste, and Cudbear.*

ROOKE, J. & J. & Co., Chem. Wks., Horrock Lane, Red Bank, Manchester, P S Victoria Station, ¼ m.; G S New Bailey Street, 1 m.—*Red and Iron Liquor, Acetic Acid, Acetate of Lime, &c.*

ROOTH, JOHN SAMPSON, Walton Chem. Works, Chesterfield, Derbyshire, P & T S Chesterfield, 1 m.; G Own Siding—*Pyroligneous Acid, Naphtha, Charcoal, Acetates of Lime and Soda, Sugar of Lead.*

ROTHERHAM ALUM AND CHEMICAL COMPANY, Rotherham, Yorkshire, P T & G S Rotherham, ¼ m.—*Alum, Sulphuric and Muriatic Acids, Sulphate of Soda.*

ROYSTON, W. & Co., Paddington Chem. Works, near Warrington, Lancashire, P T & G S Warrington, 2 m.—*Bone Manures.*

RUMNEY, ROBERT, Ardwick Chem. Works, Manchester, P S Ashbury, by Works, T Hyde Road, G Longsight, ¼ m.—*Silicates of Soda and Potash, Red and Iron Liquors, Tin Solutions, Sulphate of Manganese, Acetic Acid, Charcoal.*

RUNCORN SOAP AND ALKALI COMPANY, LIMITED, Weston Chemical Works, Runcorn, Cheshire; and Walmer Buildings, Water Street, Liverpool —*Soda Ash, Bleaching Powder, and Salt Cake.*

Do. Preston Brook, Cheshire — *Soda Crystals. Soda Ash, Bleaching Powder, Distillations of Turpentine, &c.*

RUSCOE, GEORGE, Tattenhall Station, Tarporley, Cheshire—*Bone Manures.*

SCHOFIELD, CHRISTOPHER JAMES, Clayton, near Manchester, P S Manchester, 1 m, T Bradford, G S Beswick, ¼ m.—*Soda Ash, Caustic Soda, Liquid Caustic Soda, Salt Cake, Brown and White Sulphuric, and Muriatic Acid, Bleaching Liquor.*

SCHOFIELD, H. E., Collyhurst Chem. Works, Manchester.—*Sulphite and Bi-Sulphite of Lime, Sulphurous Acid, &c.*

SEDDON, RALPH, Middlewich, Cheshire—*Salt.*

SHARON CHEMICAL COMPANY, Sharon Chemical Works, Little Chester, Derby, P S Midland, 2 m.; G Midland, ¾ m.—*Oil of Vitriol, Sulphate of Ammonia, Metallic Oxides, Glauber Salts, Superphosphates, and other Chemical Manures.*

SHEFFIELD CHEMICAL COMPANY (FAIRBURN & OLIVER, Proprietors), Don Vitriol Works, Attercliffe, Sheffield, P & T S Attercliffe, ¼ m., G Mid, 1 m.—*Sulphuric, Nitrous, Nitric and Fluoric Acid, Ammonia.*

SHORTHOUSE, JOSEPH & SON, New Market Street, Birmingham—*Oil of Vitriol, Muriatic, and Nitric Acids.*

SINGLETON, JOSEPH & Co. (J. B. WINDER), Eyre Street, Birmingham, P & G S Monument Lane, ¼ m.—*Acetate of Soda, Nitric, Muriatic & Acetic Acids, Acetate of Lime, Naphtha, Charcoal, Tar, &c.*

SISSONS BROTHERS & Co., Sculcoates, Hull—*Blues.*

SLACK, ASHCROFT & Co., 4, Paul St., Vauxhall Road, Liverpool, P T & G S Liverpool, 1 m.—*Vitriol, Sulphate & Carbonate of Ammonia, Sal Ammoniac, Roll Rock and Flour Sulphur, Refined Saltpetre, Carbonate Potash, Salts of Tartar.*

SMITH, J. & Co., 28, Port Street, Manchester.—*Egg and Blood Albume*

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SMITH, J. JUN. & Co., Great Lever, Bolton, Lancashire; and 61, Princes Street, Manchester—*Oil of Vitriol.*

SMITH, DAVID, Siddall, Halifax—*Copperas and Dyers' Spirits.*

SMITH, ELIZABETH, Mrs., Rhondda Chemical Works, Pontypridd, Glamorganshire—*Naphthas, Acetate of Lime, Charcoal, Pyroligneous Acid.*

SMITH & MAWDSLEY, Pentre Alkali Works, near Flint, North Wales, P S Flint, 1¼ m., G Own Siding—*Vitriol, Muriatic Acid, Salt Cake, Alkali, Carbonated Soda Ash, Soda Crystals, and Bleaching Powders.* —See Advertisement, page 5.

SNAPE, THOMAS & Co., Phœnix Alkali Works, Widnes, Lancashire, P T & G S Widnes.—*Sulphate of Soda, Hydrochloric and Sulphuric Acid.*

SOUTHALL, BROS. & BARCLAY, Birmingham—*Iodide and Bromide Potassium, and Pharmaceutical Preparations.*

SOUTHERN, G. S., Sylvia Street, Manchester—*Tin Solutions, Iron Liquor.*

SOUTHERN, THOMAS & SON, Wheal Hill Chemical Works, Salford, Manchester—*Tin Solutions, Iron and Red Liquors.*

SPENCE BROTHERS' CHEMICAL COMPANY, LIMITED, Victoria Chem. Wks., Ashton New Rd., Bradford, Manchester, P S Ashbury, 1 m., G S Beswick, ¼ m.—*Dry and Green Copperas, Sulphate and Liquor Ammonia, Grey and Brown Sulphuric Acid, Sulphate of Alumina.*

SPENCE, PETER, Manchester Alum Works, Holland Street, Manchester, P S London Road, 1 m.—T Lower Oldham Road, G S Ancoats or Oldham Road, 1 m.—*Pure Lump Alum, Aluminoferric Cake, Copperas, Precipitate of Copper.*—See Advt. page 1.

SPENCE, PETER & Co., Nechells Park Chem. Works, Birmingham, P & T S Saltley ¼ m., G Lawley St. Mid. 1 m.—*Sulphate of Ammonia.*

SPOONER & BAILEY, Eling Works, Southampton, P & T S Totton, ¼ m., G Eling Jn., ¼ m.—*Brown Sulphuric Acid, Superphosphate of Lime, Chemical Manures, &c.*

STAINSBY & LYON, Aire Tar Works, Knottingley, Yorkshire, P T & G S Knottingly, 1 m.—*Benzole, Naphtha, Creosote, Carbolic Acid, Pitch, Tar.*

STATON & Co., Shobnall Mills, Burton-on-Trent—*Chemical Manures.*

ST. BEDE CHEMICAL COMPANY, LIMITED, 1, St. Nicholas Buildings, Newcastle-on-Tyne; Works, East Jarrow, Durham—*Alkali, Soda Ash and Crystals, Bleaching Powder.*

ST. HELEN'S CHEMICAL COMPANY, Pocket Nook, St. Helens, Lancashire, P T & G S, St. Helens, 200 yards. London, 208, Upper Thames Street, E.C.—*Soda Ash, Cream and White Caustic Soda, Bleaching Powder, Flowers of Sulphur, Sulphate of Alumina.*

STEPHENS, JAMES, Black Vale Copper Works, Swansea—*Arsenic.*

STEUART, D. P., Frizinghall, nr. Shipley, Yorkshire, P & T S Frizinghall ¼ m., G S Shipley, 1 m.—*Sulphate of Ammonia.*

STONE & TINSON, Crews Hole, St. George's, Bristol, P & G S Bristol, 2 m. —*Sal Ammoniac, Muriate, Sulphate, and Carbonate of Ammonia.*

STOREY, JOS., & Co., Heron Works, Lancaster.—*Picric, Aurine.*

STORRY, SMITHSON & Co., 187, High Street, and Works, Sculcoates, Hull, P & G S Sculcoates, ¼ m., T Hull.—*Tar and Rosin Distillers.*

STURGE, JOHN & EDMD., 18, Wheeley's Lane, Birmingham, P & G S

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New Street, ¼ m.—*Citric Acid, Bicarbonate of Potash, Rochelle Salts, Precipitated Chalk, Citrate of Magnesia.*

SULLIVAN & Co., LIMITED, British Alkali Wks., Widnes, Lancashire; P & T S Widnes, 1½ m., G Own Siding; Liverpool, 3, Wason Buildings—*Sulphate of Soda, Carbonated Soda Ash, Caustic Soda Ash, Cream and White Caustic Soda, Bleaching Powder.*

TAYLOR, GREENALL & KIDD, Moorside Chemical Works, Widnes, Lancashire, P S Widnes, ¼ m., G Siding to Works—*Soda Ash, Caustic Soda, Salt Cake, and Bleaching Powder.*

TENNANT, CHARLES & Co., Office, St. Nicholas Buildings, Newcastle-on-Tyne, and Hebburn Chem. Works, Hebburn-on-Tyne. London, C. TENNANT, SONS & Co., 9, Mincing Lane, E.C.—*Soda Ash, Soda Crystals, Bleaching Powder.*

TENNANTS & Co., 49, Faulkner St.; Works, Ardwick Bridge, Manchester; P & G S London Road.—*Vitriol, Muriatic and Nitric Acids, Salt Cake, Soda Ash, and Caustic Soda, Stannate of Soda, Tin Crystals, and Dyers' and Printers' Solutions.*

THACKER & Co., Bankhall Chemical Works, Liverpool—*Naphtha.*

THARSIS SULPHUR & COPPER COMPANY, LIMITED, Tyne Chemical Works, Hebburn, near Gateshead-on-Tyne—*Sulphur and Copper.*

THOMPSON & Co., 3, Cooper St., Manchester—*Aniline Dyes, Dyers' Solutions.*

THORPE, HY. & SON, Swan Works, Buckingham, P T & G S Buckingham, 1 m.—*Superphosphate of Lime, Bone and Chemical Manures.*

TIGARS' MANURE WORKS, Grovehill, Beverley—*Chemical Manures.*

THRELFALL, THOMAS & SONS, Botany Chemical Works, Chorley, Lancashire —*Chinese and Prussian Blues, and Chemical Manures.*

TROTTER, ISAIAH, Oakwood Chemical Works, Coleford, Gloucestershire—*Naphtha, Acetates of Soda and Lime, &c.*

TOYNBEE, EDWARD, LINDSEY & KESTEVEN CHEMICAL MANURE COMPANY, LIMITED, Saxilby, near Lincoln, P S Saxilby, 1 m., G Own Siding—*Chemical Manures.*

TREMELLEN, WILLIAM, Swansea, South Wales—*Arsenic.*

TUNSTALL & Co., St. Helens Chemical Works, Newlay, Leeds, P S Newlay, ¼ m., G Own Siding, and Carr Moor Side Works, Hunslet, Leeds, P & G Leeds, 1 m.—*Tar Distillers, Naphtha, Benzole, Carbolic Acid, and Tar Products.*

TURNER, JOSEPH, Queen's Ferry, Flintshire, P S Queensferry, ¼ m., G Own Siding; and at Redheugh, Gateshead—*Tar Distillers, Benzole, Toluol, Naphtha, Carbolic Acid, Anthracene, Creosote, Pitch, and Sulphate of Ammonia.*

TYNE ALKALI COMPANY, LIMITED, Office, 1, Dean Street, Newcastle-on-Tyne; Works, South Shields, Durham, P & G S South Shields; *Sulphate of Soda, Soda Ash, Bleaching Powder, Chlorate of Potash.*

UTTLEY, M., Redlees Summit, Littleborough, Lancashire—*Soda Crystals Brown and White.*

URBAN (PATENT) MANURE COMPANY, Sneyd Works, Bloxwich, Walsall, Staffordshire—*Manures.*

VAUGHAN, S. & J. W., Birley Vale Chemical Works, Handsworth Woodhouse, near Sheffield—*Pyroligneous Acid, Acetate of Lime, Sugar of Lead, Naphtha, Iron and Red Liquor, &c.*

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VERDIN, JOSEPH & SONS, Winsford, Cheshire—*Salt.*

VICKERS, THOS., & SONS, Miles Platting, Manchester, and Widnes—*Bone Manures, Superphosphates, Binarseniate and Arseniate of Soda.*

VIVIAN H. HUSSEY, Hafod Isha Chemical Works, Swansea—*Bleaching Powder, Soda Ash and Crystals, Caustic Soda, Phosphate of Soda, Salt Cake, Muriatic Acid, Superphosphate of Lime.*

Do. Lythrid Chem. Works, Park Mill, Gower, Swansea, Glamorganshire—*Acetate of Lime, Naphtha, Charcoal, Wood Tar, &c.*

WADE, HENRY P. H., Leeds Road North, Huddersfield, Yorkshire—*Benzole, Naphtha, and Aniline Colours.*

WAIDE, JAMES & SON, Calder Chemical Works, Whitwood Mere, Normanton, Yorkshire—*Sulphuric Acid, Sulphate of Ammonia, Nitrate Cake.*

WAKE & Co., Bridge Road, Southampton—*Charcoal.*

WALKER, ISAAC & ISRAEL, Effingham Chemical Works, Rotherham, Yorkshire; London Agents, THOMAS & SCARPE, 132, Upper Thames Street, E.C.—*Pyroligneous and Acetic Acids, Acetate of Lime, Sugar of Lead, Naphtha, Iron Liquors &c.*

WALSH & Co., 28, Port Street, Manchester—*Blood Albumen.*

WARBURTON, SAMUEL & SONS, Worksop, Notts., P & T S Worksop, ¼ m., G Own Siding—*Pyroligneous and Acetic Acids, Naphtha, Acetates of Lead, Lime, Soda, Iron, and Copper.*

Do. Hunslet, Leeds, P & G S Hunslet.—*As at Worksop.*

WASHINGTON CHEMICAL COMPANY, Newcastle-on-Tyne; London Agent, H. PATTINSON, 157, Fenchurch Street, E.C.—*Soda Ash and Crystals, Alkali, Magnesia, Patent White Lead.*

WATSON, J. & Co., Bank Lane, Clayton, near Manchester, P S London Road, 2 m.—*Iron Liquor, Muriate and Nitrate of Iron, Liquid Ammonia, Bleaching Liquor, Dyewood Liquors.*

WATSON, WALKER & QUICKFALL, 21, Sheepscar Street; and Albert Works, Leeds—*Indigo Extracts.*

WEBB & SONS, Ivy Mill, Wordsley, Stourbridge, Staff.—*Chemical Manures.*

WEBB, HENRY & Co., Angel Street, Worcester—*Chemical Manures.*

WEEDON BROS., Goring, near Reading, Berks., P & G S Goring, ¼ m.—*Chemical Manures.*

WELLS & PERRY, Chelmsford, Essex—*Turpentine and Tar.*

WEST OF ENGLAND BONE AND MANURE COMPANY (JOHN BARCLAY and E. D. ANDERTON), Penryn, Cornwall—*Chemical and Bone Manures.*

WEST OF ENGLAND IRON, TIMBER, AND CHARCOAL COMPY., LIMITED, Exe Bridge Works, Bampton, Devon—*Brown Acetate of Lime, Miscible Naphtha, Wood Tar, Pitch and Charcoals.*

WHEELOCK SALT WORKS, Duke's Dock, Runcorn, Cheshire—*Salt.*

WHITHAM, JOSEPH & Co., Miles Platting, Manchester, P S Miles Platting L & Y, ¼ m., G S Oldham Road, ¼ m—*Sulphuric and Muriatic Acids, Salt Cake, &c.*

WIDNES ALKALI COMPANY, LIMITED, Widnes, P & G S Widnes, ¼ m., G Own Siding—*White and Cream Caustic Soda, and Bleaching Powder.*

WIDNES PHOSPHATE WORKS, Widnes and Crewe, Cheshire—*Bone Manures.*

WIGG BROS. & STEELE, Old Quay Copper and Alkali Works, Runcorn,

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Cheshire, P T & G S Runcorn—*Salt Cake, Bleaching Powder, Sulphuric and Muriatic Acid, Copper Precipitate, &c.*

WILKINSON, B. & Co., Whiteash and Riverdale Chemical Works, Church, near Accrington, Lancashire—*Indigo Extracts, Tin Crystals, Cudbear, Orchil, Aniline Dyes.*

WILKINSON, JAMES & SON, Broughton Cheml. Wks., Attercliffe, Sheffield, P & G S Broughton Lane, 100 yds., T Attercliffe—*Sulphuric, Nitric, and Fluoric Acids.*

WILLIAMS BROTHERS & EKIN, Hounslow, Middlesex; London, 14, Bow Lane, E.C.—*Aniline Dyes.* See Advt. p. 18.

WILLIAMS & LAMB, King Street, Wigan, Lancashire—*Tar and Turpentine.*

WILSON, GEORGE HENRY, Rainham Chemical Works, Rainham Ferry, Romford, Essex—*Sulphuric Acid and Chemical Manures.*

WILSON, JAMES THOMSON, North of Eng. Chemical Wks., Spittal Berwick, Northumberland, P & G S Tweedmouth, ½ m., T Spittal—*Sulphuric Acid, Saltpetre, Sulphate of Lead.*

WILSON, R. H., Egglescliffe Chemical Works, Yarm (in Durham), P & G S Yarm, 1½ m.—*Sulphuric Acid and Chemical Manures.*

WILTON CHEMICAL COMPANY, Liverpool, G S, L & N W Canada Dock, ½ m.—*Roll, Rock, and Flour Sulphur, Saltpetre.*

WINDLE, ABRAHAM (EXECUTORS OF), Worsbro' Dale, near Barnsley, Yorkshire—*Iron Liquor and Wood Acid.*

WINSER & Co., Bank Quay, Warrington, Lancashire, P S Warrington, L & N W, ¼ m.; G Siding to Works—*Chlorides of Calcium, Magnesium, and Zinc, Epsom Salts, Aluminous Cake, Sulphate of Alumina.*

WITTON, GEORGE, Victoria Works, Doncaster—*Blues.*

WOLVERHAMPTON MANURE COMPANY, Bloxwich, Walsall, Staffordshire (J. T. HALL, Secretary)—*Chemical Manures.*

WOOD & BEDFORD, Airedale Chemical Works, Leeds—*Cudbear, Orchil, Indigo Extracts.*

WOOD, EDWARD, Stoke-upon-Trent, and Hanover Street, Liverpool—*Borax.*

WOOD, WILLIAM, Droitwich, Worcestershire—*Salt.*

WOOD, WM. & SONS, Okehampton, Devon, P T & G S Okehampton, ¼ m.—*Sulphuric Acid and Manures.*

WREKIN CHEMICAL COMPANY, Wellington, Salop, P T & G S Wellington, 1 m.—*Brown Acetate of Lime, Miscible and Solvent Naphthas, Charcoal.*

WRIGHT, WM. & Co., Baildon, Shipley, Leeds, P S Baildon, ⅛ m., T & G S Shipley, 1½ m.—*Ammonia Liquor, Creosote, Naphtha, Pitch, Anthracene.*

YNIS CHEMICAL COMPANY, Clydach, Swansea Valley, Glamorganshire—*Charcoal, Naphtha, Sulphate of Ammonia.*

YORKSHIRE GLUE COMPANY, Castleford, near Normanton, Yorkshire—*Phosphate of Lime.*

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Sulphate of Soda.

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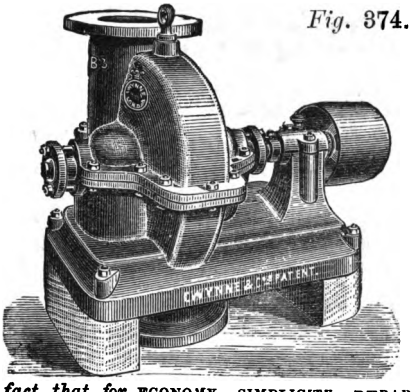

Fig. 374.

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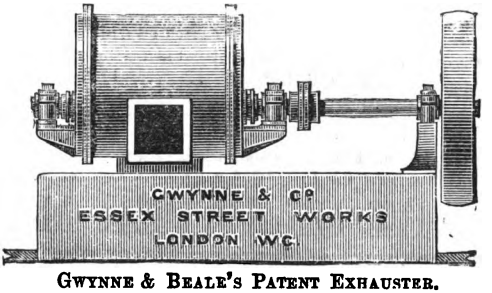
Fig. 302.



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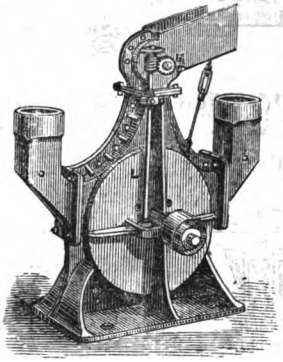

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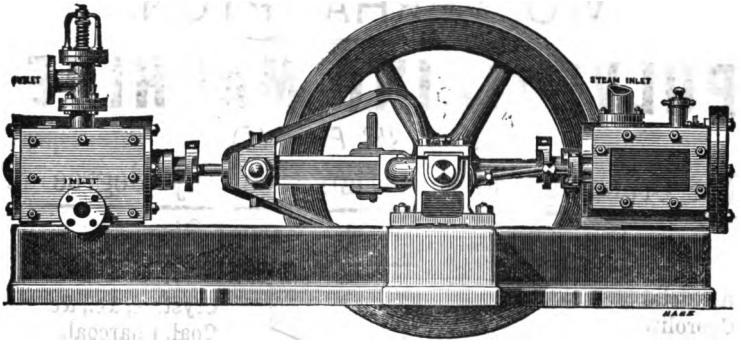

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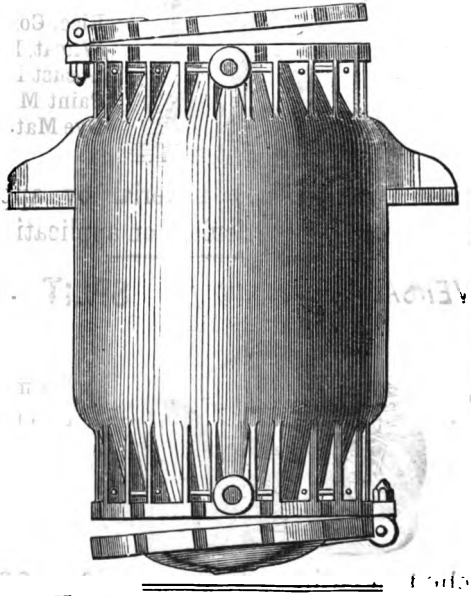

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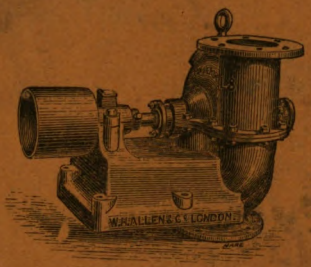

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FIG. 34.

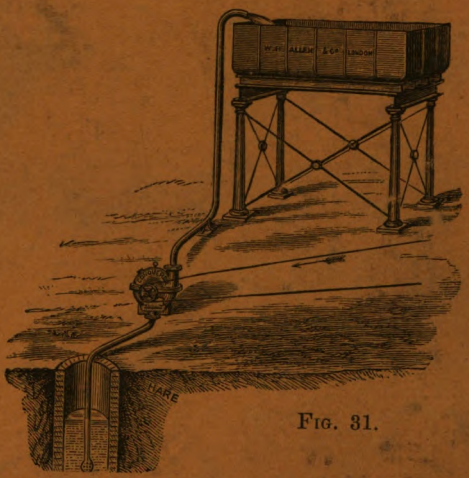

FIG. 31.

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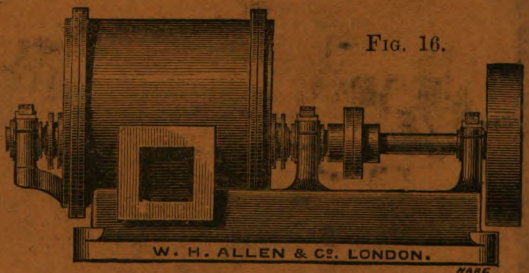

FIG. 16.

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